

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091118\
 Data File : VX004465.D
 Acq On : 11 Sep 2018 13:00
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/12/2018 11:26:07 AM

Quant Time: Sep 12 02:01:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 01:43:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	264311	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	330953	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	318241	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	185901	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	20336	5.97	ug/l	0.00
Spiked Amount			Recovery	=	11.94%	
35) Dibromofluoromethane	5.49	113	17183	5.67	ug/l	0.00
Spiked Amount			Recovery	=	11.34%	
50) Toluene-d8	8.72	98	55368	5.45	ug/l	0.00
Spiked Amount			Recovery	=	10.90%	
62) 4-Bromofluorobenzene	11.14	95	18178	5.01	ug/l	0.00
Spiked Amount			Recovery	=	10.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	10930	4.41	ug/l	98
3) Chloromethane	1.32	50	16371	4.80	ug/l	90
4) Vinyl Chloride	1.40	62	17125	4.89	ug/l	99
5) Bromomethane	1.64	94	7816	4.68	ug/l	83
6) Chloroethane	1.71	64	11752	5.19	ug/l	100
7) Trichlorofluoromethane	1.92	101	23599	5.09	ug/l	98
8) Diethyl Ether	2.18	74	10612	5.10	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	15083	5.13	ug/l	97
10) Methyl Iodide	2.51	142	11637	3.60	ug/l	98
11) Tert butyl alcohol	3.07	59	21524	26.47	ug/l	99
12) 1,1-Dichloroethene	2.37	96	13994	5.07	ug/l	89
13) Acrolein	2.29	56	8908	27.75	ug/l	90
14) Allyl chloride	2.72	41	28947	5.10	ug/l	94
15) Acrylonitrile	3.15	53	49271	25.16	ug/l	98
16) Acetone	2.45	43	47968	28.84	ug/l	94
17) Carbon Disulfide	2.56	76	36888	4.62	ug/l	99
18) Methyl Acetate	2.78	43	24836	5.32	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	51872	5.35	ug/l	97
20) Methylene Chloride	2.85	84	17181	5.04	ug/l	90
21) trans-1,2-Dichloroethene	3.16	96	15713	5.15	ug/l	98
22) Diisopropyl ether	3.87	45	51216	5.01	ug/l	96
23) Vinyl Acetate	3.82	43	197208	23.83	ug/l	97
24) 1,1-Dichloroethane	3.70	63	29540	5.12	ug/l	97
25) 2-Butanone	4.70	43	75116	28.37	ug/l	100
26) 2,2-Dichloropropane	4.58	77	19989	5.04	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	17023	5.00	ug/l	95
28) Bromochloromethane	5.02	49	13543	5.13	ug/l	95
29) Tetrahydrofuran	5.16	42	37180	23.29	ug/l	97
30) Chloroform	5.21	83	29601	5.25	ug/l	95
31) Cyclohexane	5.57	56	23065	4.68	ug/l	87
32) 1,1,1-Trichloroethane	5.49	97	22624	4.98	ug/l	98
36) 1,1-Dichloropropene	5.79	75	20679	5.15	ug/l	99
37) Ethyl Acetate	4.86	43	22990	5.03	ug/l	99
38) Carbon Tetrachloride	5.78	117	20037	5.11	ug/l	97

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 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/12/2018 11:26:07 AM

Quant Time: Sep 12 02:01:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 01:43:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	18872	4.50	ug/l	93
40) Benzene	6.14	78	65570	5.50	ug/l	96
41) Methacrylonitrile	5.07	41	12387	4.92	ug/l	97
42) 1,2-Dichloroethane	6.20	62	22123	5.60	ug/l	98
43) Isopropyl Acetate	6.46	43	30853	5.08	ug/l	97
44) Trichloroethene	7.21	130	15876	5.13	ug/l	90
45) 1,2-Dichloropropane	7.52	63	14941	5.21	ug/l	98
46) Dibromomethane	7.66	93	9394	5.18	ug/l	97
47) Bromodichloromethane	7.90	83	16825	4.91	ug/l	96
48) Methyl methacrylate	7.78	41	13901	4.63	ug/l	97
49) 1,4-Dioxane	7.76	88	6688	94.07	ug/l	92
51) 4-Methyl-2-Pentanone	8.65	43	121468	28.36	ug/l	97
52) Toluene	8.79	92	36664	5.22	ug/l	89
53) t-1,3-Dichloropropene	9.04	75	19240	4.81	ug/l	90
54) cis-1,3-Dichloropropene	8.44	75	19442	4.76	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	16653	5.51	ug/l	94
56) Ethyl methacrylate	9.18	69	20692	4.84	ug/l	99
57) 1,3-Dichloropropane	9.37	76	26957	5.49	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	45527	23.20	ug/l	94
59) 2-Hexanone	9.50	43	95550	29.08	ug/l	98
60) Dibromochloromethane	9.59	129	14063	4.94	ug/l	96
61) 1,2-Dibromoethane	9.68	107	14198	4.91	ug/l	99
64) Tetrachloroethene	9.34	164	21479	5.41	ug/l	92
65) Chlorobenzene	10.14	112	39591	5.01	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.22	131	13276	4.87	ug/l	99
67) Ethyl Benzene	10.26	91	60922	4.74	ug/l	98
68) m/p-Xylenes	10.36	106	45857	9.26	ug/l	97
69) o-Xylene	10.70	106	22047	4.63	ug/l	98
70) Styrene	10.71	104	35723	4.53	ug/l	98
71) Bromoform	10.86	173	9882	4.42	ug/l #	97
73) Isopropylbenzene	11.02	105	58728	4.80	ug/l	100
74) N-amyl acetate	10.90	43	23405	4.54	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	19636	4.97	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	19085m	5.25	ug/l	
77) Bromobenzene	11.26	156	16805	4.97	ug/l	97
78) n-propylbenzene	11.36	91	66853	4.75	ug/l	100
79) 2-Chlorotoluene	11.42	91	42028	4.92	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	49069	4.77	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	4726	4.03	ug/l	87
82) 4-Chlorotoluene	11.51	91	48774	4.89	ug/l	100
83) tert-Butylbenzene	11.77	119	46551	4.75	ug/l	94
84) 1,2,4-Trimethylbenzene	11.81	105	49694	4.73	ug/l	97
85) sec-Butylbenzene	11.94	105	59489	4.76	ug/l	99
86) p-Isopropyltoluene	12.07	119	51198	4.64	ug/l	97
87) 1,3-Dichlorobenzene	12.03	146	31875	5.05	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	32572	4.99	ug/l	93
89) n-Butylbenzene	12.39	91	45279	4.51	ug/l	96
90) Hexachloroethane	12.60	117	8013	4.54	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	31998	5.01	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.01	75	3951	4.69	ug/l	98

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

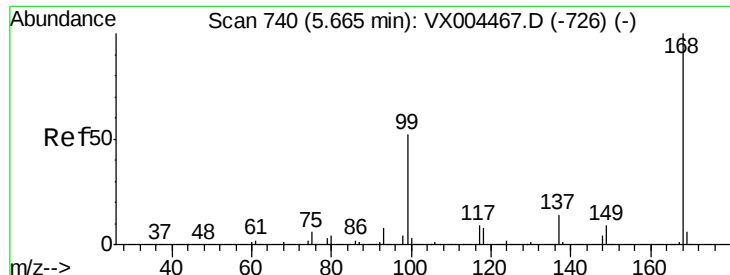
Manual Integrations
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9/12/2018 11:26:07 AM

Quant Time: Sep 12 02:01:49 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 12 01:43:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	20899	4.62	ug/l	97
94) Hexachlorobutadiene	13.79	225	11527	4.88	ug/l	97
95) Naphthalene	13.83	128	53505	4.22	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	21506	4.63	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion:168 Resp: 264311

Ion Ratio Lower Upper

168 100

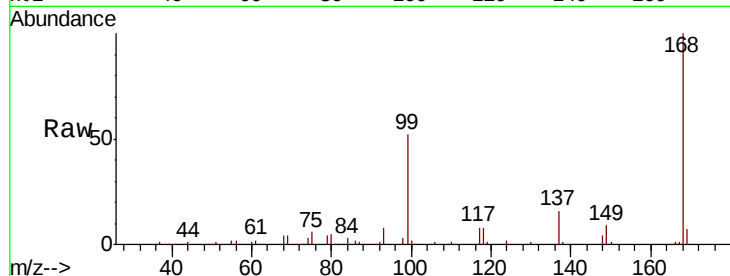
99 51.9 39.9 59.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

100000

80000

60000

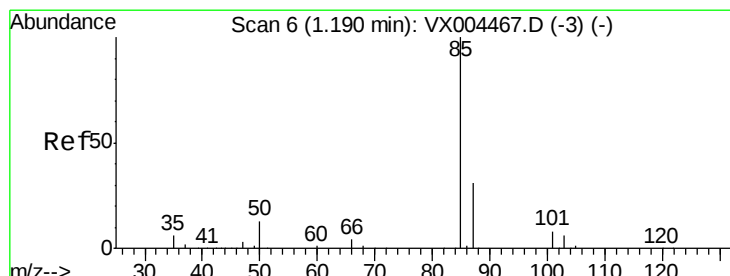
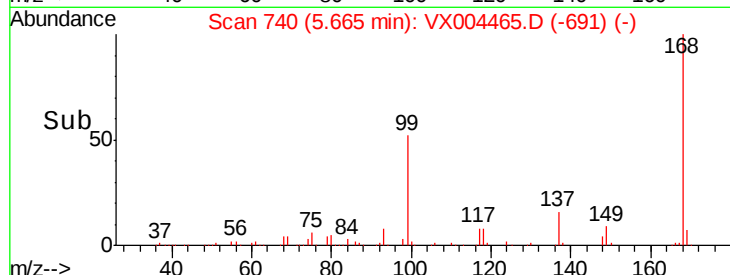
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 4.41 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX004465.D

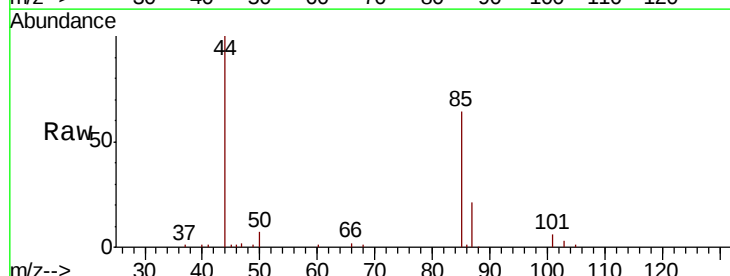
Acq: 11 Sep 2018 13:00

Tgt Ion: 85 Resp: 10930

Ion Ratio Lower Upper

85 100

87 32.9 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

10000

8000

6000

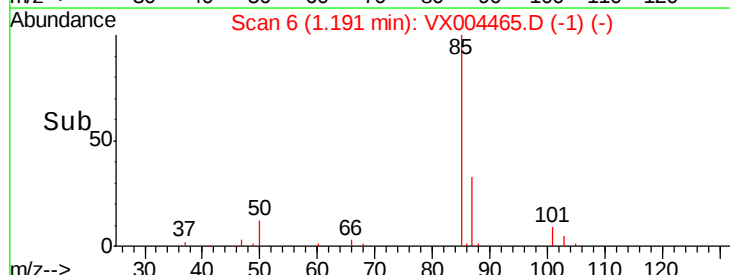
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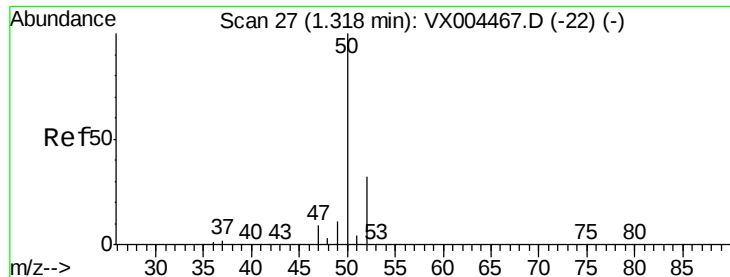
2000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 4.80 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion: 50 Resp: 16371

Ion Ratio Lower Upper

50 100

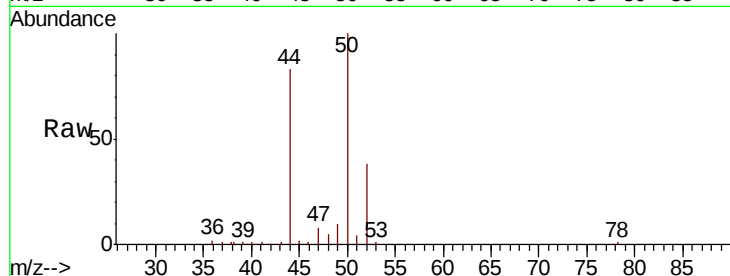
52 38.1 26.2 39.2

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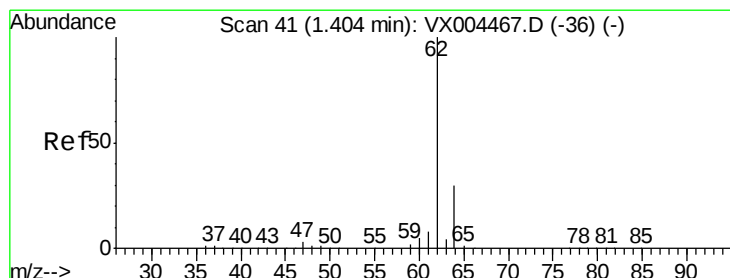
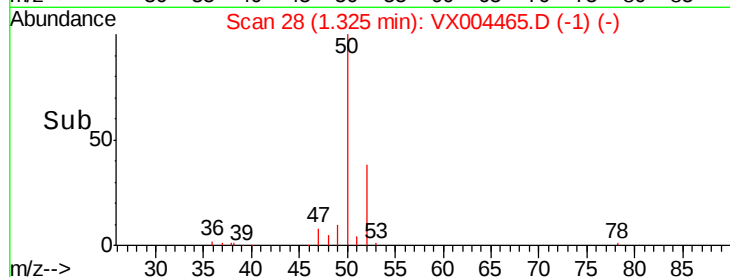
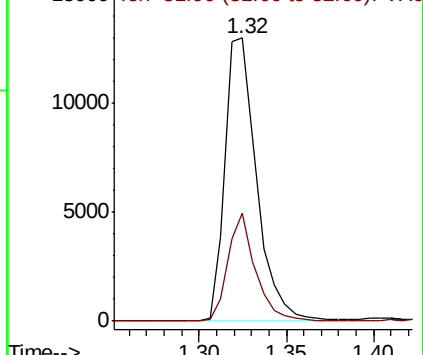
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 4.89 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX004465.D

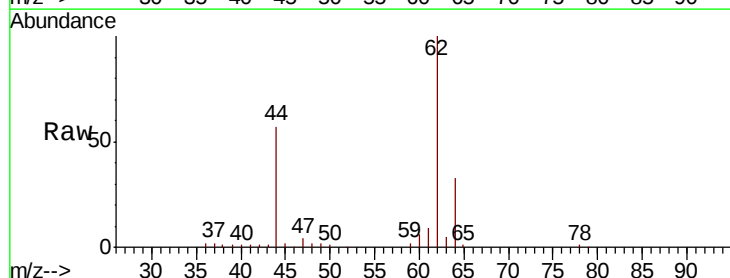
Acq: 11 Sep 2018 13:00

Tgt Ion: 62 Resp: 17125

Ion Ratio Lower Upper

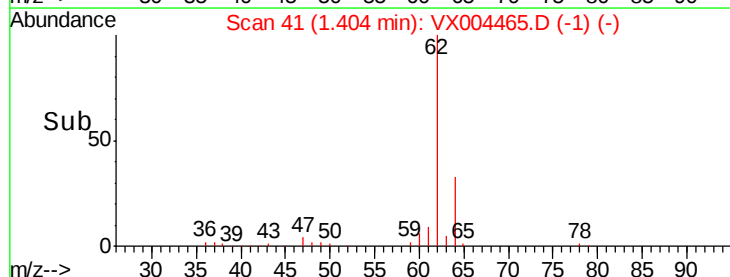
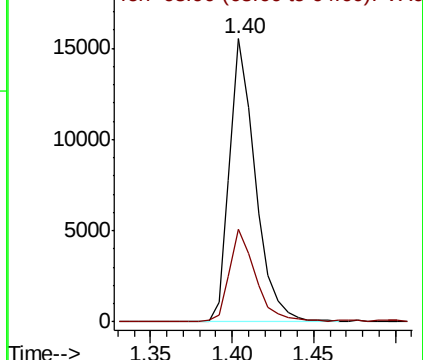
62 100

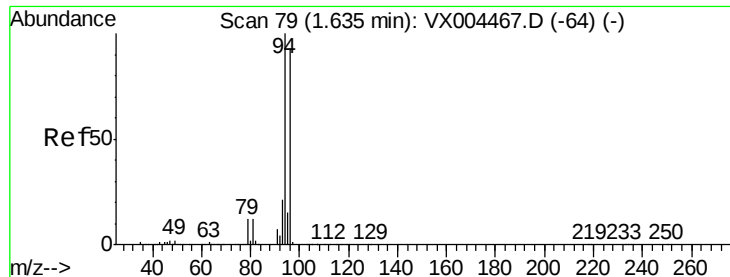
64 32.9 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 4.68 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 7816

Ion Ratio Lower Upper

94 100

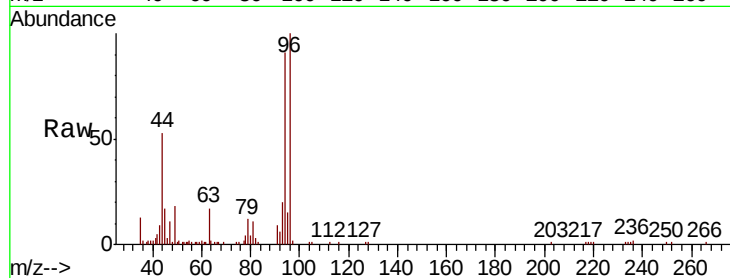
96 109.1 74.5 111.7

Manual Integrations

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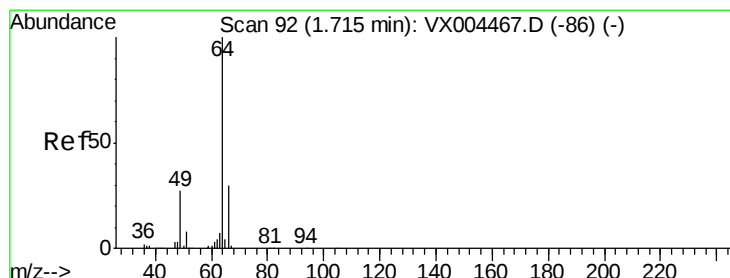
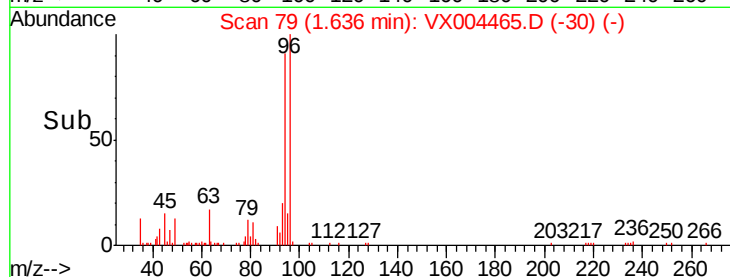
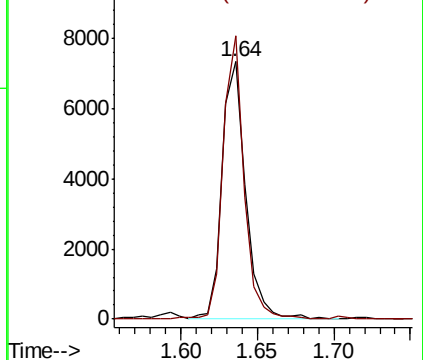
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 5.19 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX004465.D

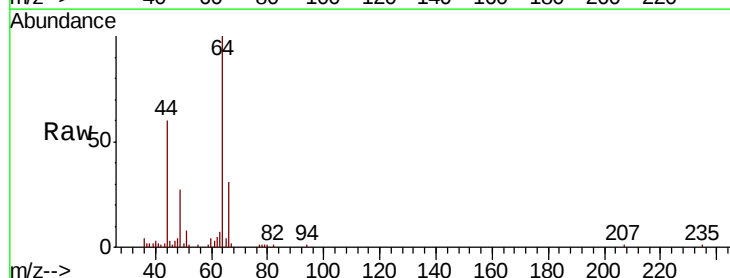
Acq: 11 Sep 2018 13:00

Tgt Ion: 64 Resp: 11752

Ion Ratio Lower Upper

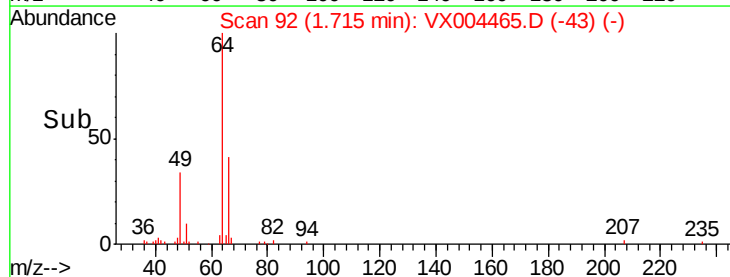
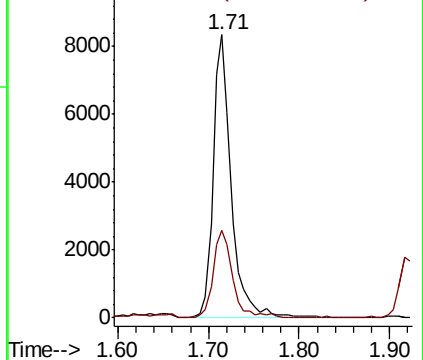
64 100

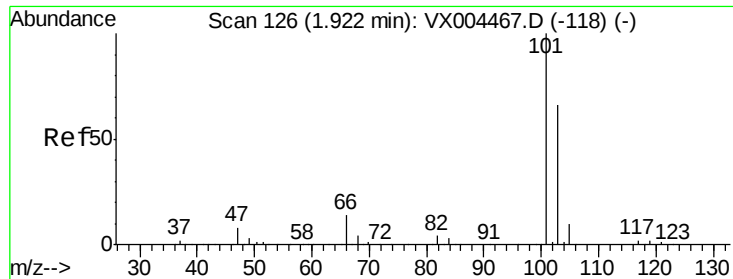
66 30.9 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane

Concen: 5.09 ug/l

RT: 1.92 min Scan# 126

Delta R.T. 0.00 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:101 Resp: 23599

Ion Ratio Lower Upper

101 100

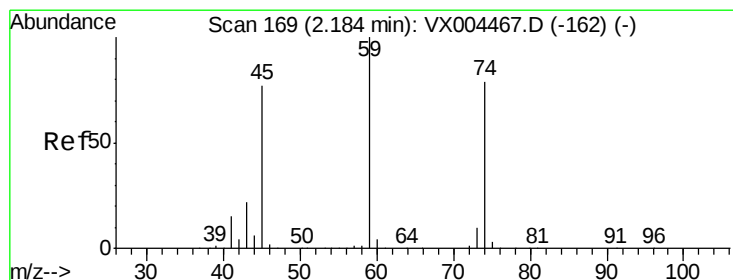
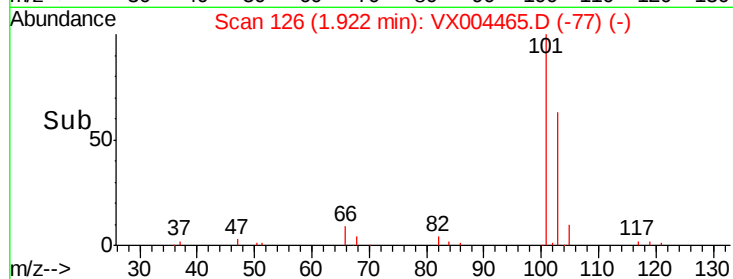
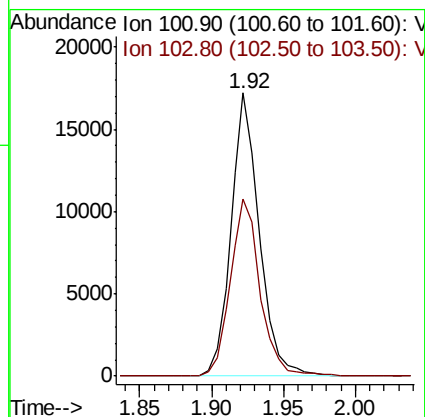
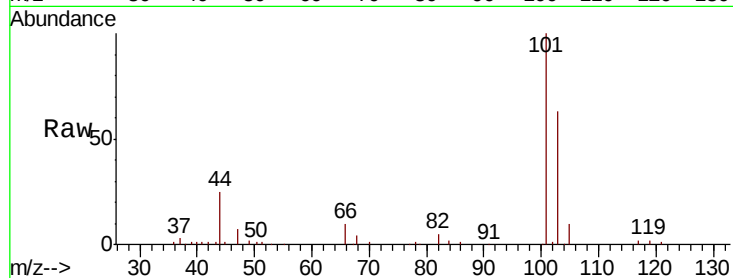
103 62.6 48.9 73.3

Manual Integrations

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9/12/2018 11:26:07 AM



#8

Diethyl Ether

Concen: 5.10 ug/l

RT: 2.18 min Scan# 169

Delta R.T. 0.00 min

Lab File: VX004465.D

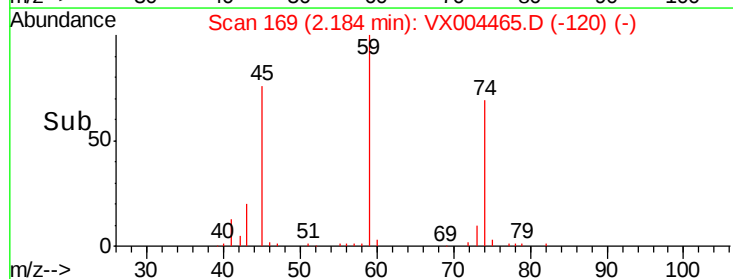
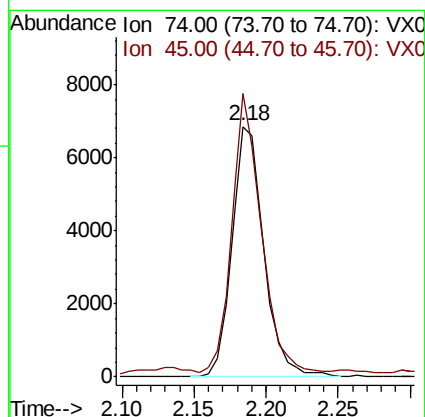
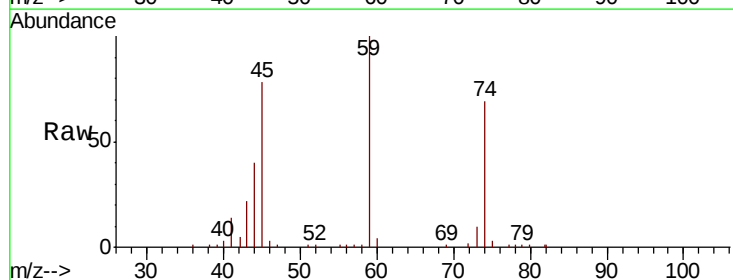
Acq: 11 Sep 2018 13:00

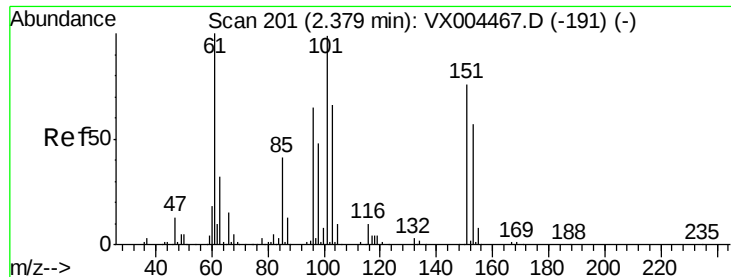
Tgt Ion: 74 Resp: 10612

Ion Ratio Lower Upper

74 100

45 101.9 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.13 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

Instrument :

MSVOA_X

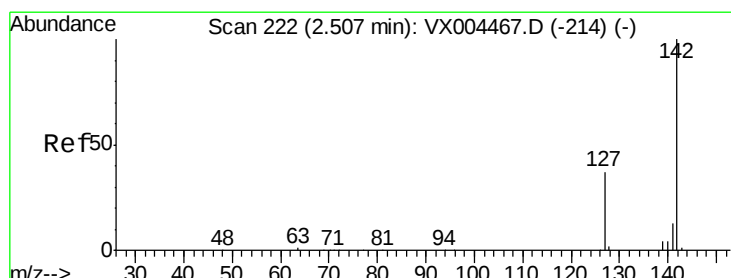
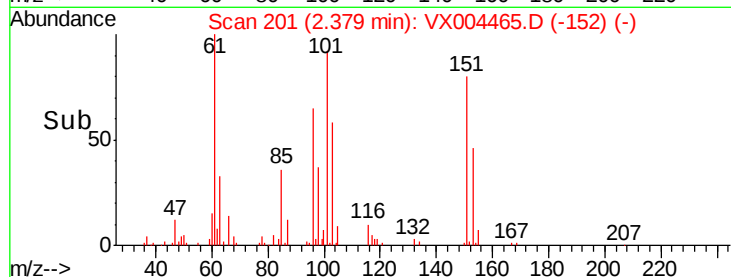
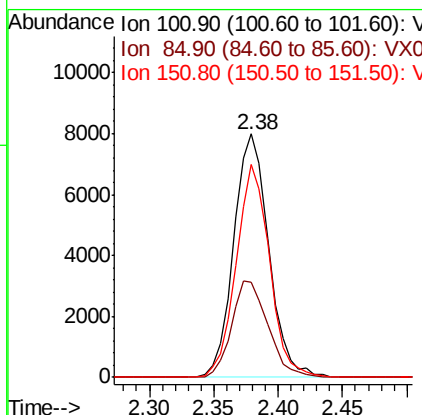
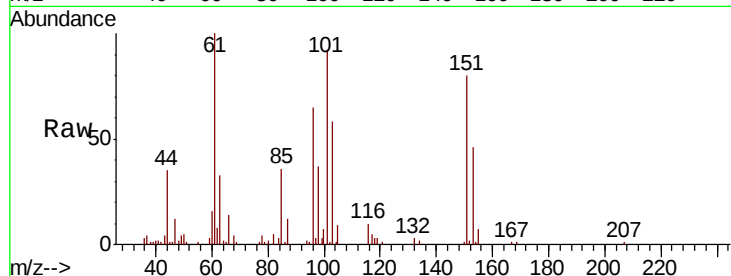
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	15083
Ion Ratio	Lower	Upper	
101	100		
85	41.0	34.2	51.4
151	83.5	65.0	97.6

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#10

Methyl Iodide

Concen: 3.60 ug/l

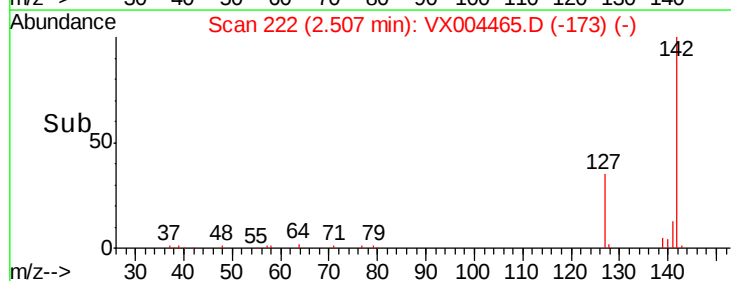
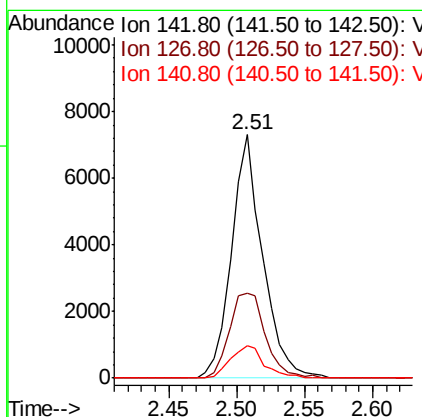
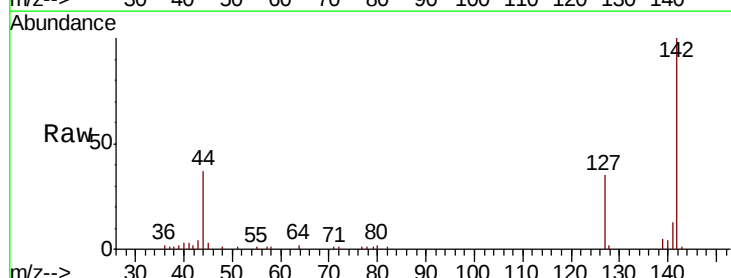
RT: 2.51 min Scan# 222

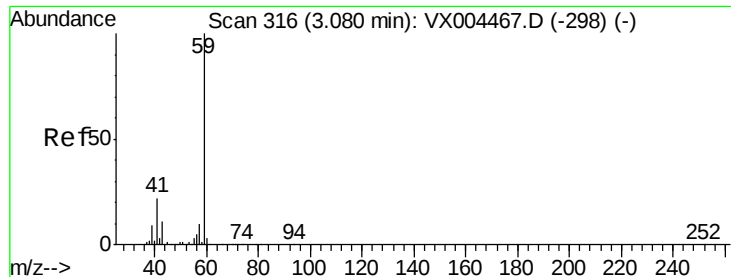
Delta R.T. 0.00 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

Tgt Ion:	142	Resp:	11637
Ion Ratio	Lower	Upper	
142	100		
127	40.4	33.8	50.6
141	14.4	11.4	17.0





#11

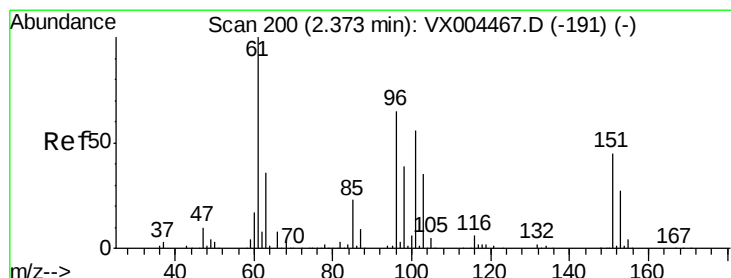
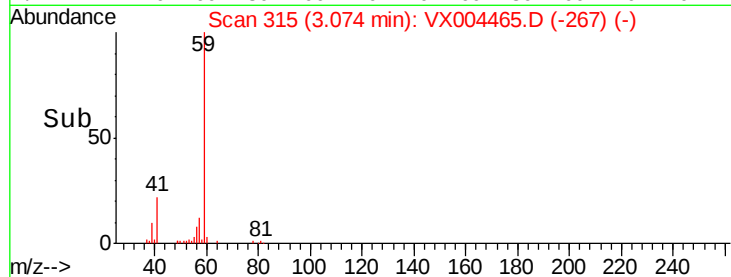
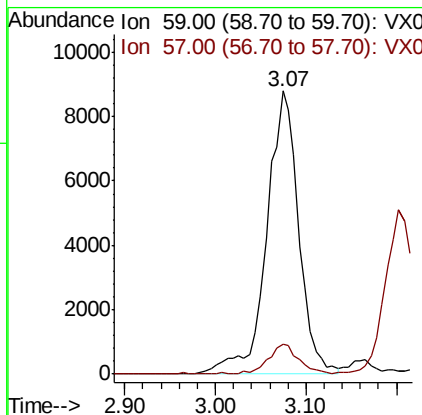
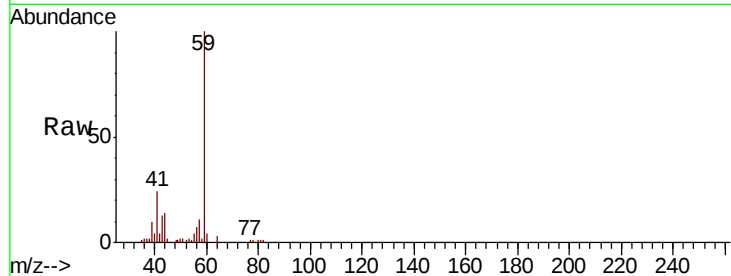
Tert butyl alcohol
Concen: 26.47 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

Instrument :
MSVOA_X
ClientSampleID :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.4

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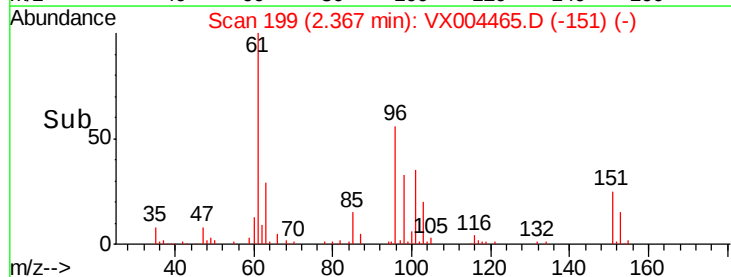
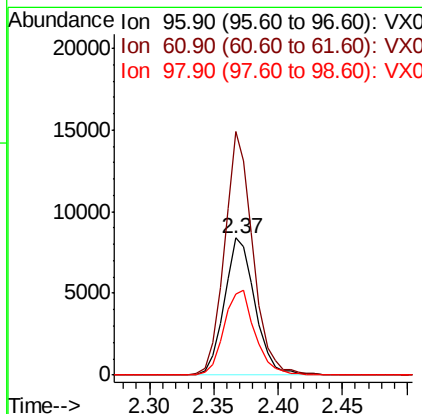
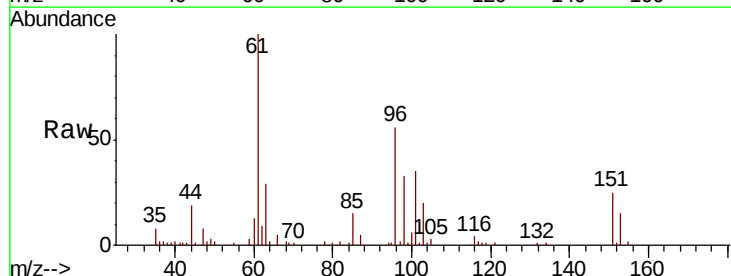
MMDadoda
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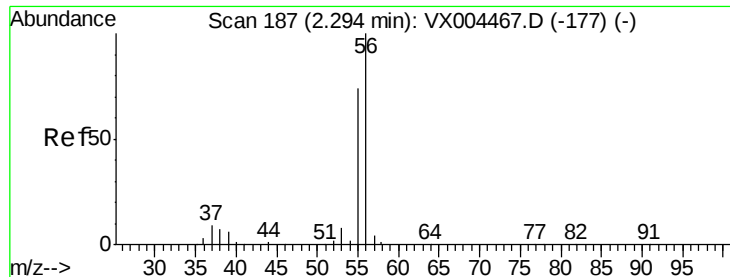


#12

1,1-Dichloroethene
Concen: 5.07 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	177.6	128.8	193.2
98	59.2	52.2	78.2





#13

Acrolein

Concen: 27.75 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 8908

Ion Ratio Lower Upper

56 100

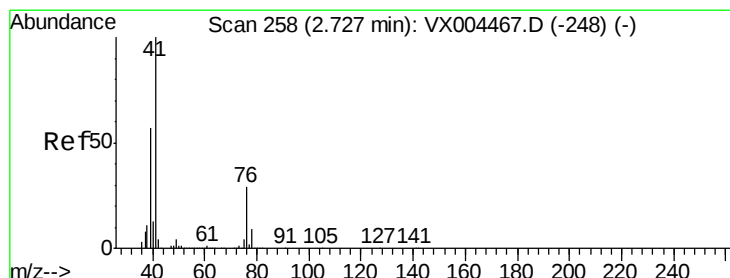
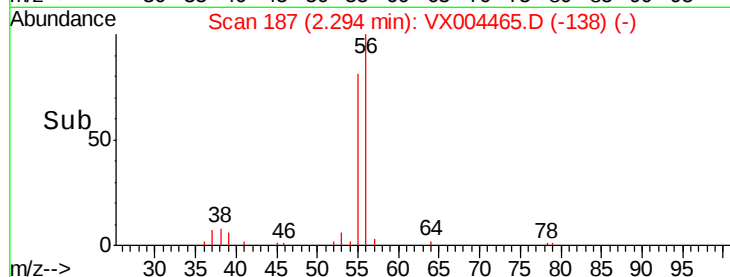
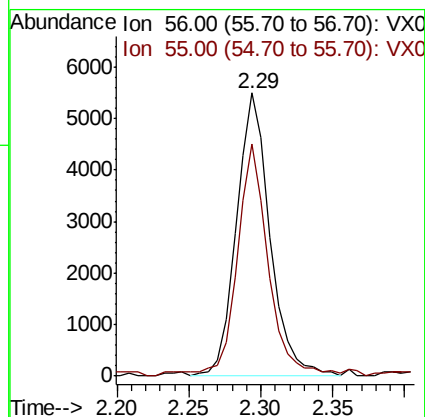
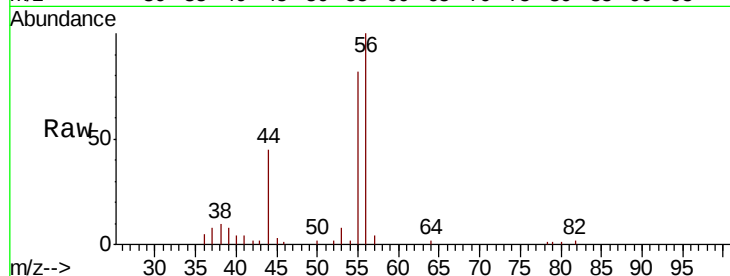
55 76.8 54.7 82.1

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#14

Allyl chloride

Concen: 5.10 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

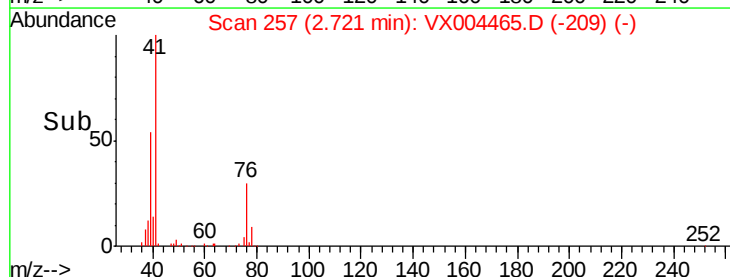
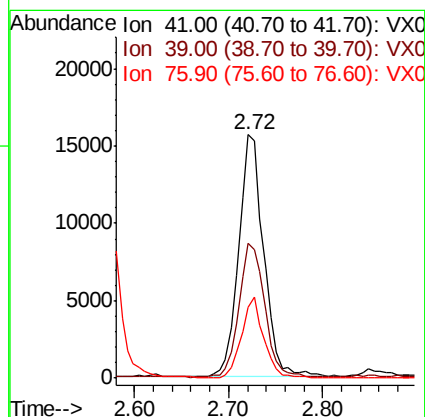
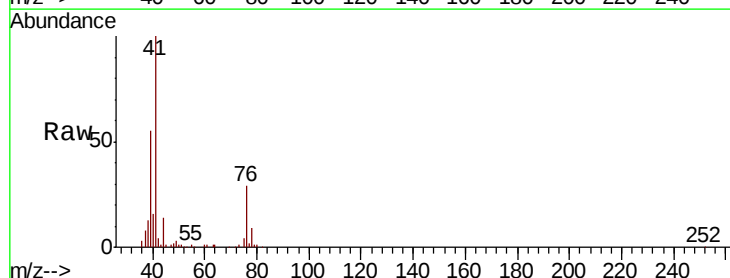
Tgt Ion: 41 Resp: 28947

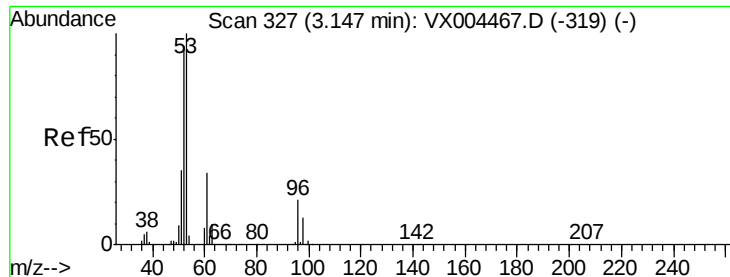
Ion Ratio Lower Upper

41 100

39 56.6 48.9 73.3

76 29.8 26.7 40.1





#15

Acrylonitrile

Concen: 25.16 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

Instrument :

MSVOA_X

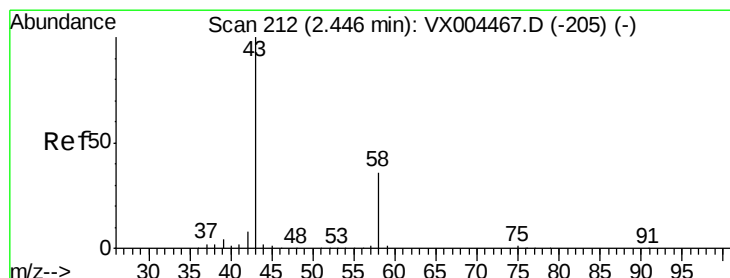
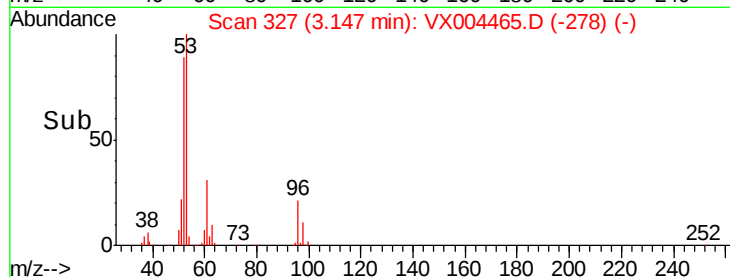
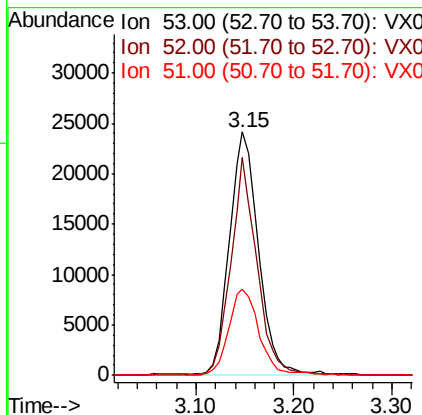
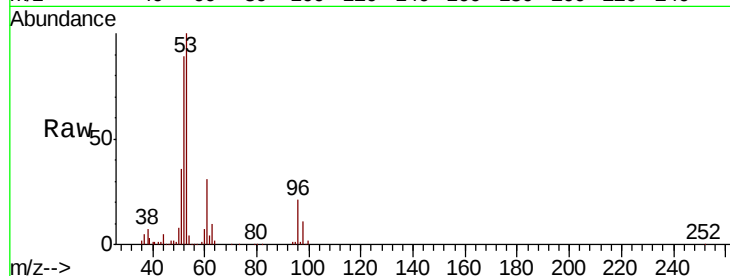
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	49271
Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.2	97.8
51	38.1	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 28.84 ug/l

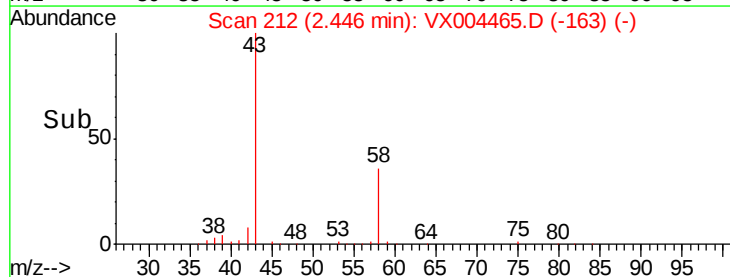
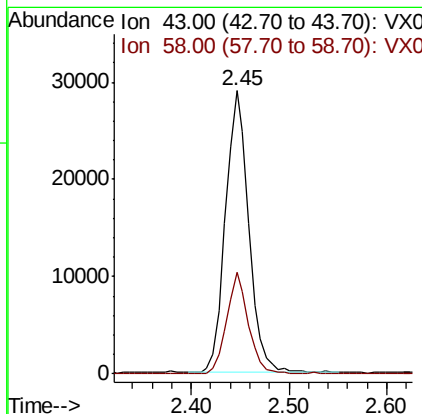
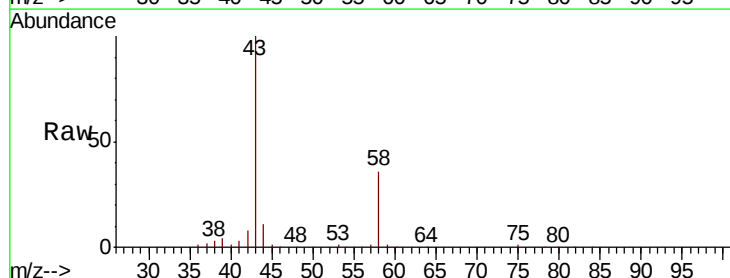
RT: 2.45 min Scan# 212

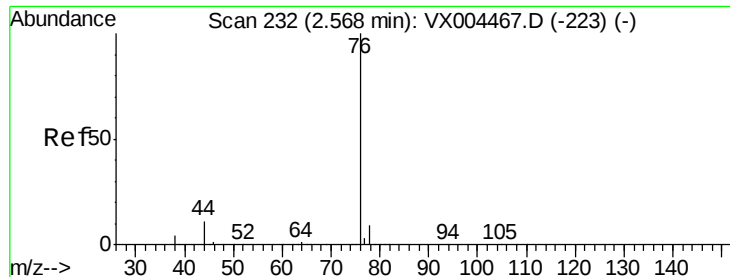
Delta R.T. 0.00 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

Tgt Ion:	43	Resp:	47968
Ion	Ratio	Lower	Upper
43	100		
58	36.0	26.2	39.4





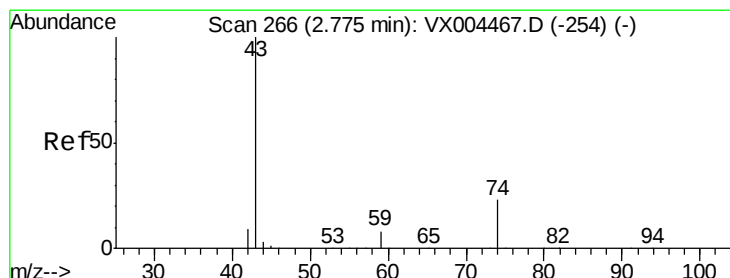
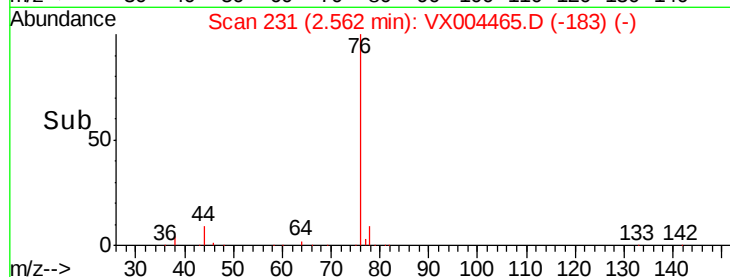
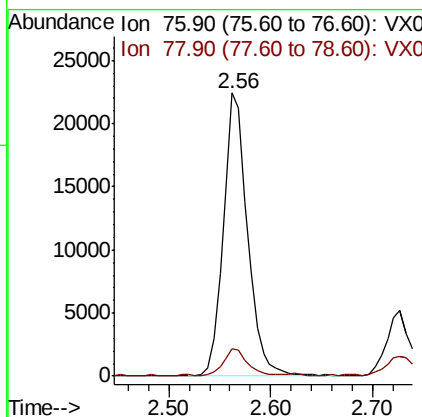
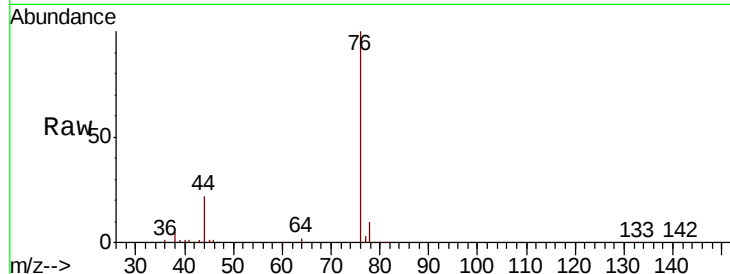
#17
Carbon Disulfide
Concen: 4.62 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.6

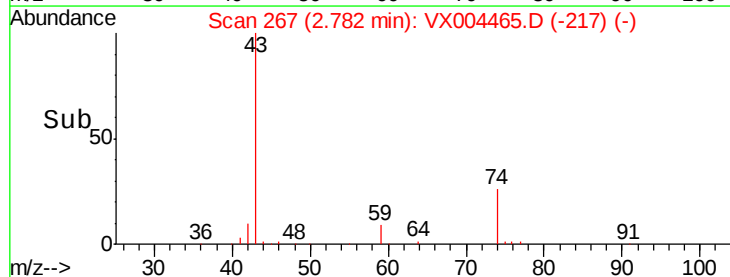
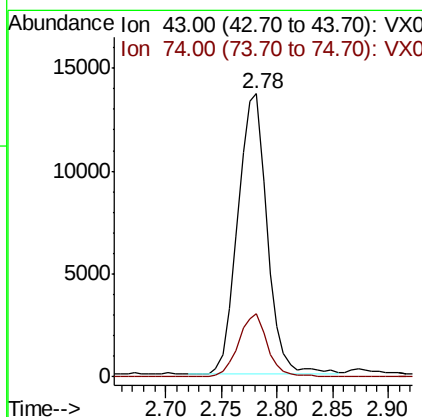
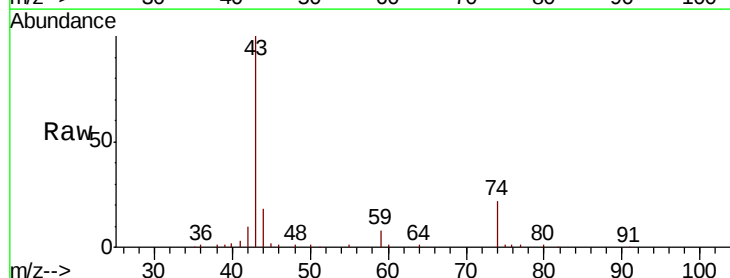
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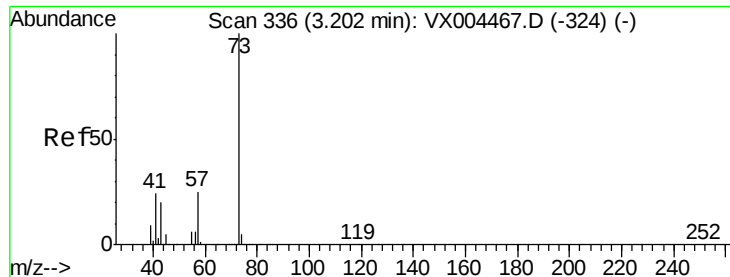
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#18
Methyl Acetate
Concen: 5.32 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.4	19.4	29.2





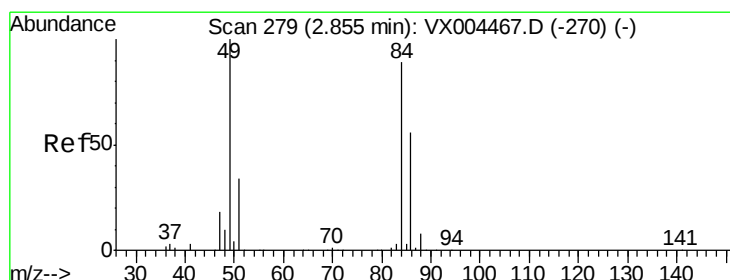
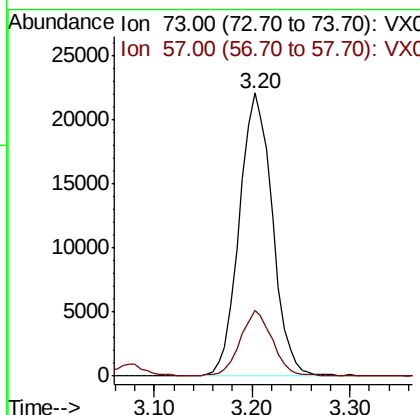
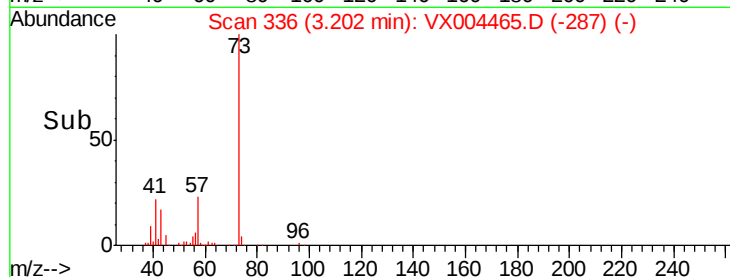
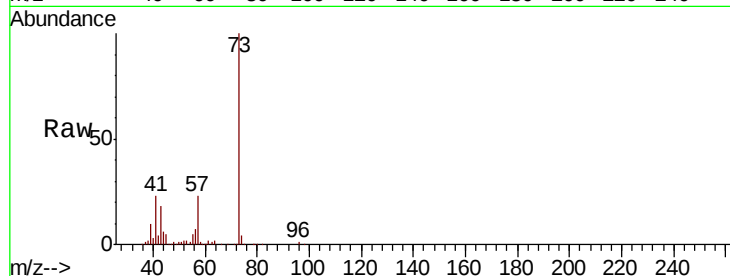
#19
Methvl tert-butvl Ether
Concen: 5.35 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 51872
Ion Ratio Lower Upper
73 100
57 23.0 17.1 25.7

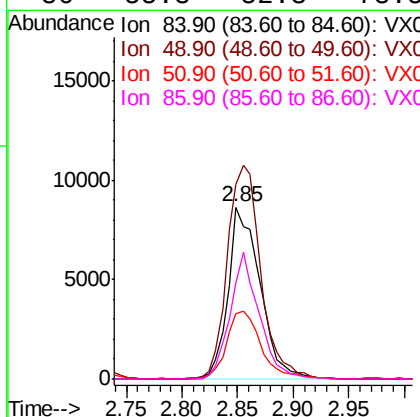
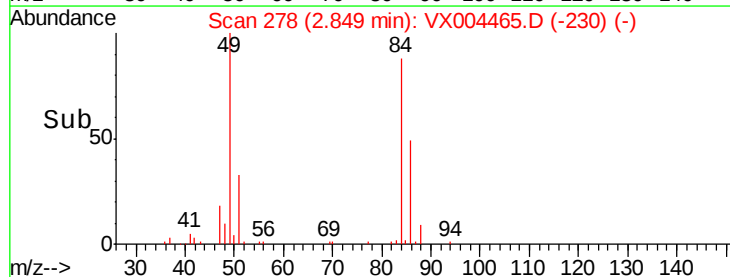
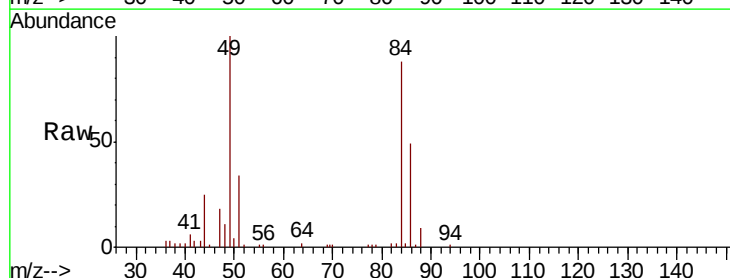
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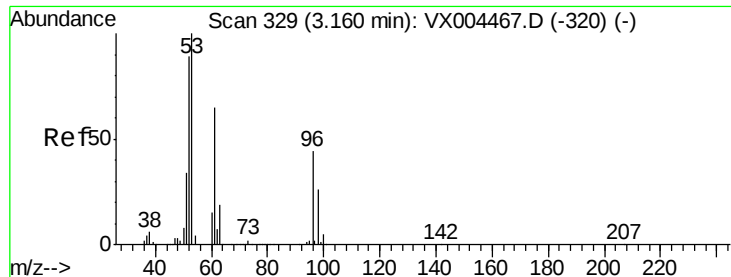
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#20
Methylene Chloride
Concen: 5.04 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

Tgt Ion: 84 Resp: 17181
Ion Ratio Lower Upper
84 100
49 113.4 101.2 151.8
51 38.2 29.5 44.3
86 55.8 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 5.15 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

Instrument :

MSVOA_X

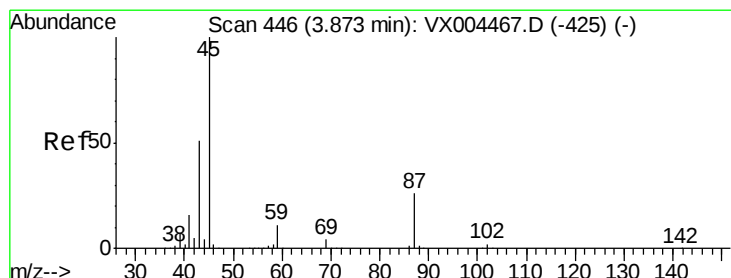
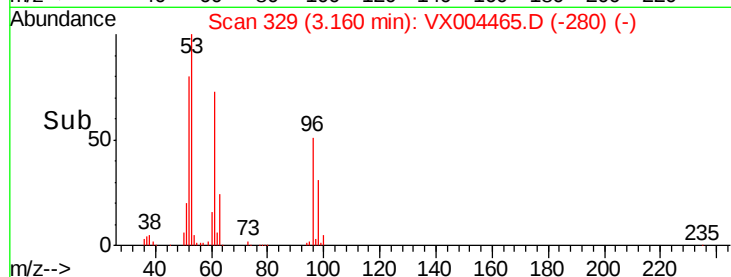
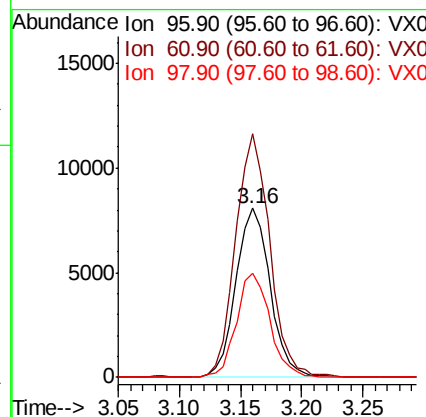
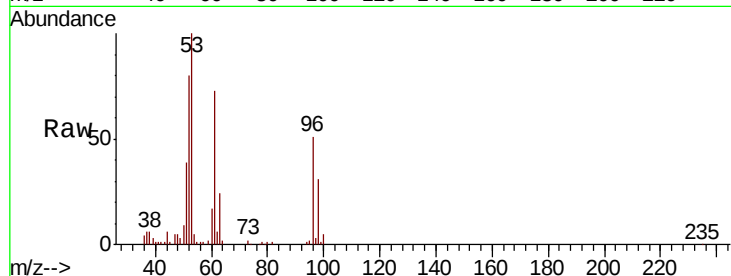
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	15713
Ion	Ratio	Lower	Upper
96	100		
61	144.1	113.8	170.6
98	61.3	51.8	77.8

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#22

Diisopropyl ether

Concen: 5.01 ug/l

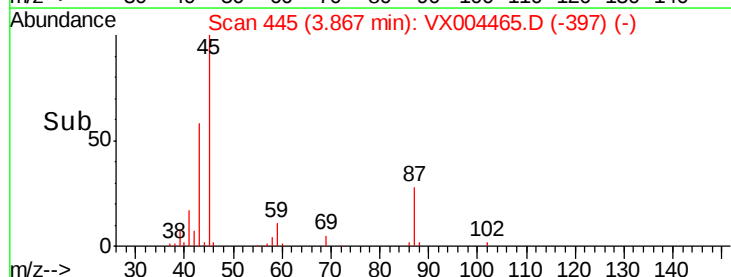
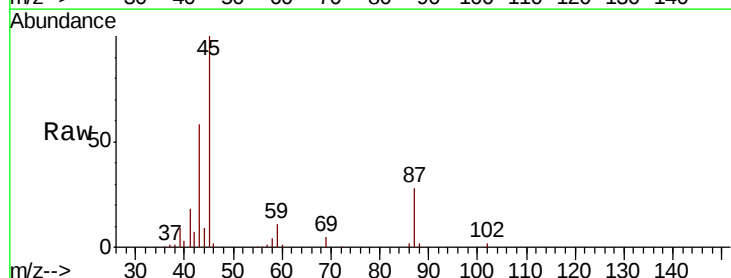
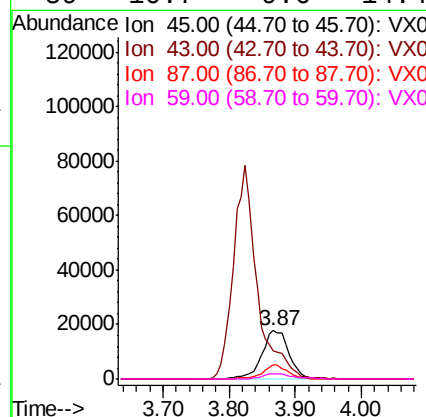
RT: 3.87 min Scan# 445

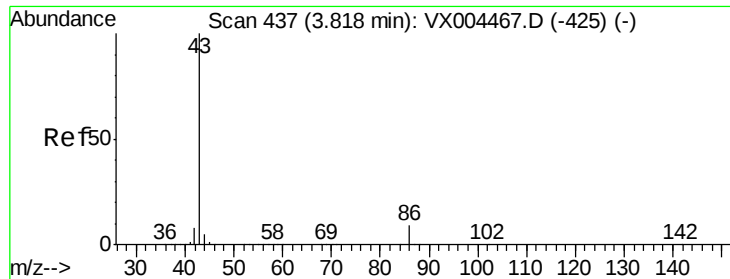
Delta R.T. -0.01 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

Tgt Ion:	45	Resp:	51216
Ion	Ratio	Lower	Upper
45	100		
43	58.3	42.8	64.2
87	28.0	22.6	34.0
59	10.7	9.6	14.4





#23

Vinyl Acetate

Concen: 23.83 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 197208

Ion Ratio Lower Upper

43 100

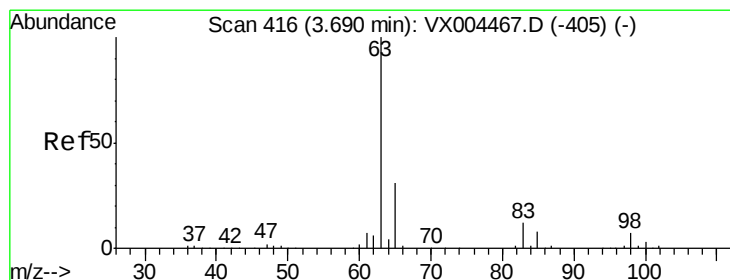
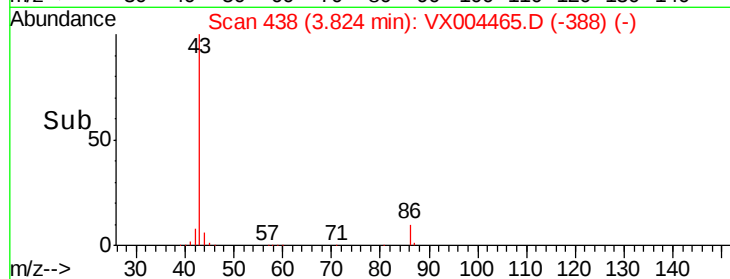
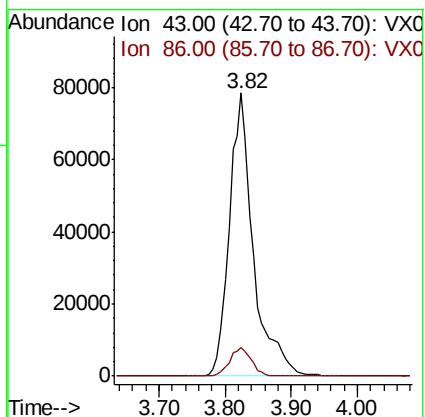
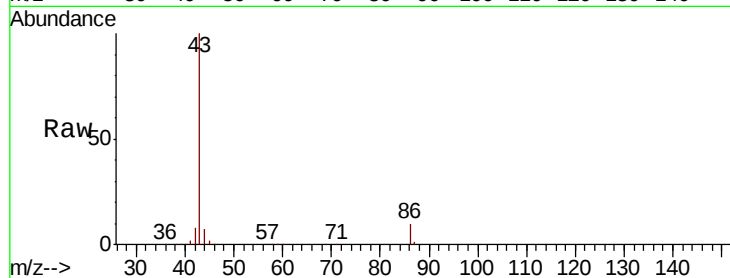
86 10.0 8.9 13.3

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#24

1,1-Dichloroethane

Concen: 5.12 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

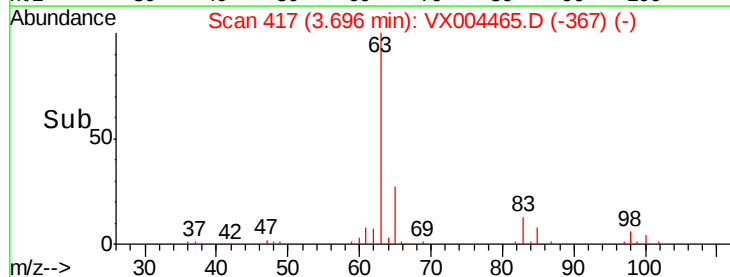
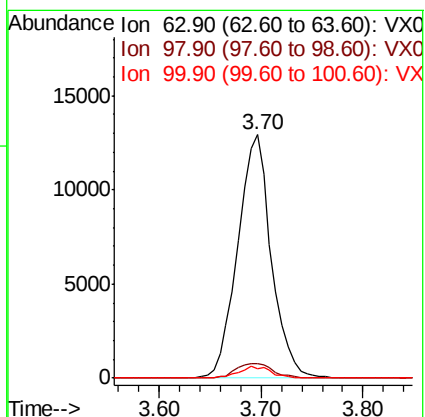
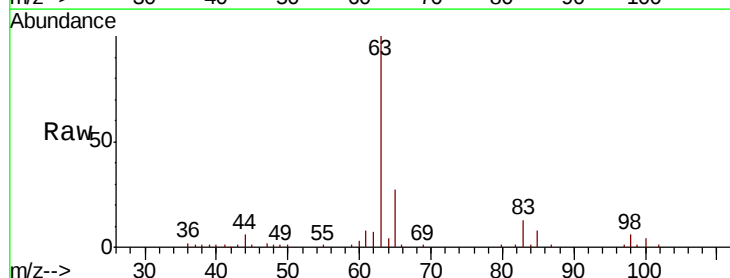
Tgt Ion: 63 Resp: 29540

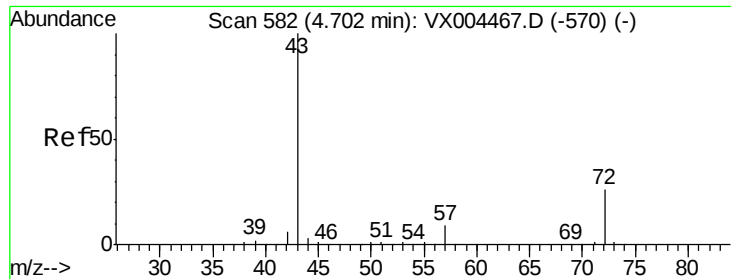
Ion Ratio Lower Upper

63 100

98 6.0 3.5 10.4

100 3.8 2.4 7.1





#25

2-Butanone

Concen: 28.37 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 75116

Ion Ratio Lower Upper

43 100

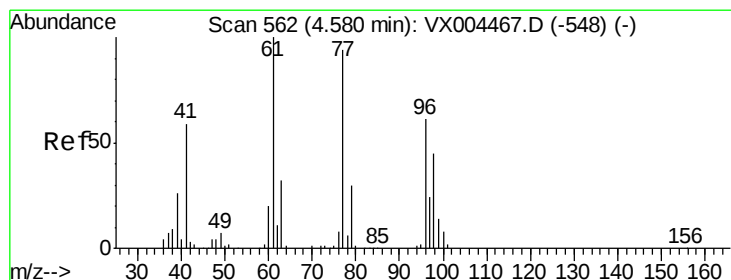
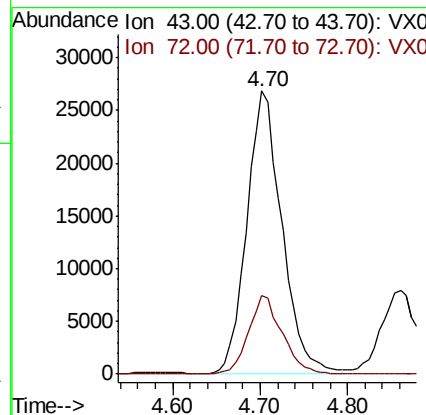
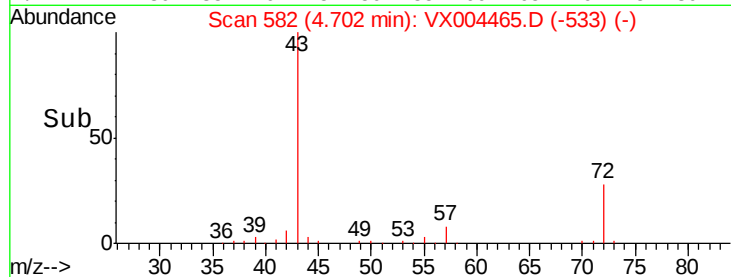
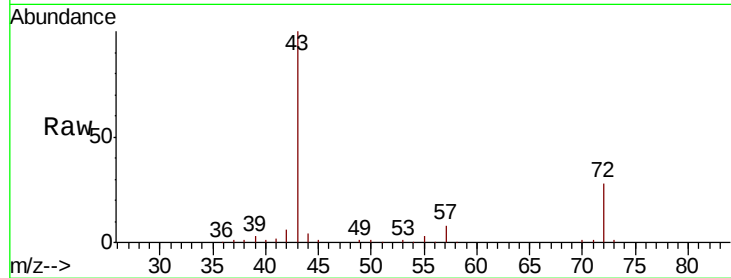
72 27.7 22.0 33.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 5.04 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX004465.D

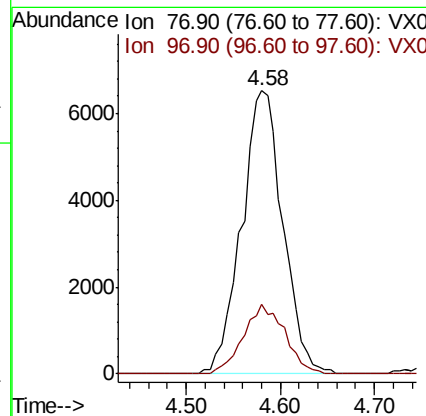
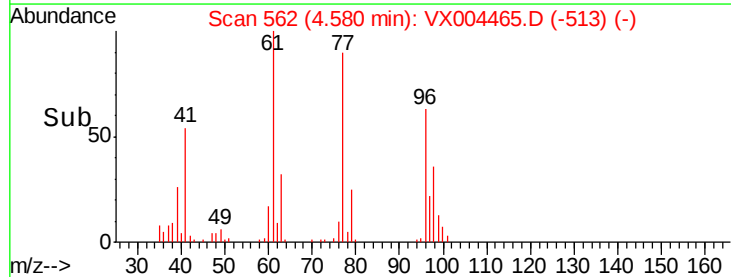
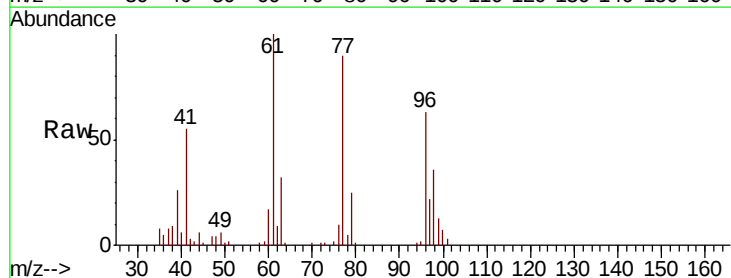
Acq: 11 Sep 2018 13:00

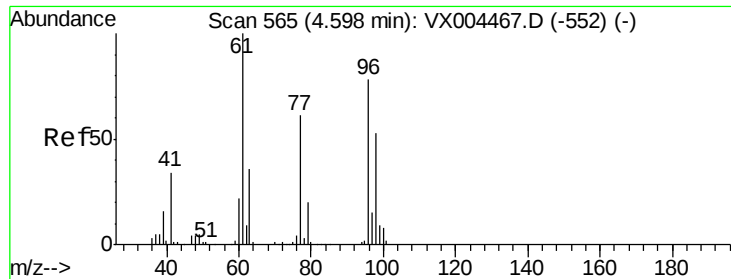
Tgt Ion: 77 Resp: 19989

Ion Ratio Lower Upper

77 100

97 24.7 11.7 35.0





#27

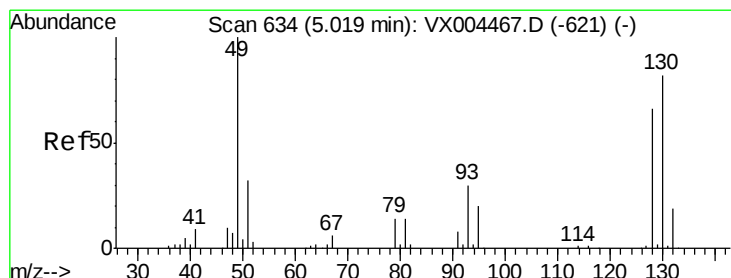
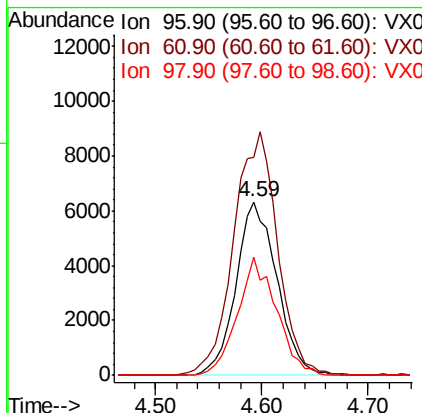
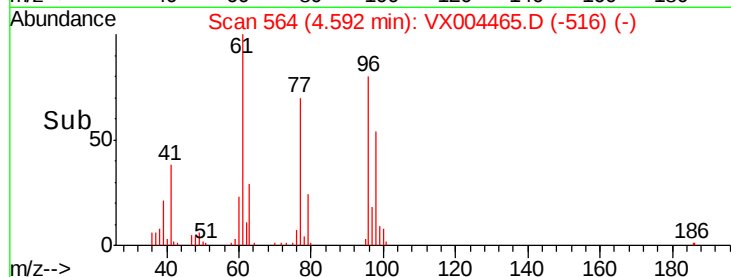
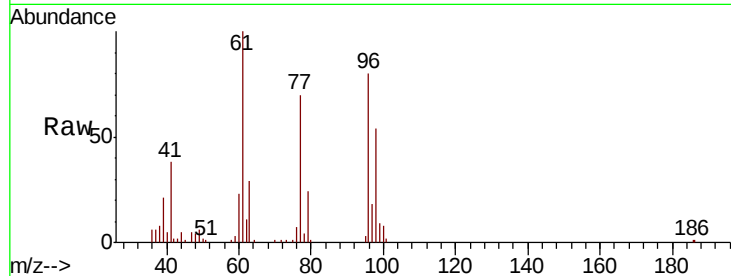
cis-1,2-Dichloroethene
Concen: 5.00 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
96	100	17023		
61	150.8		0.0	282.6
98	64.8		0.0	130.2

Manual Integrations
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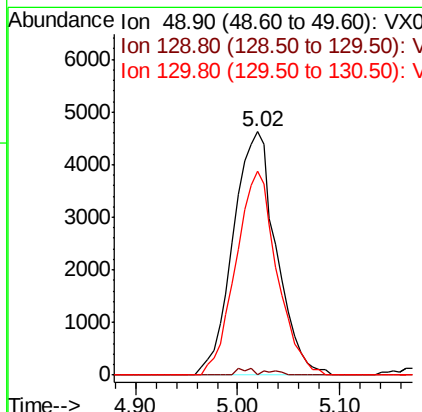
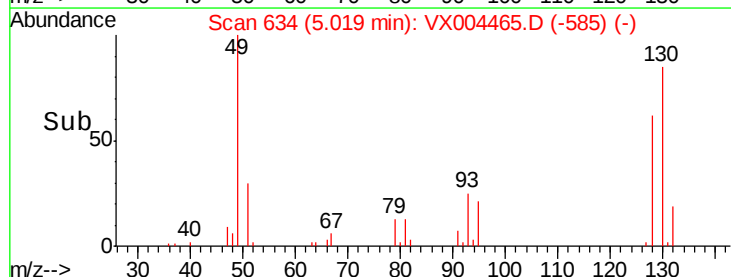
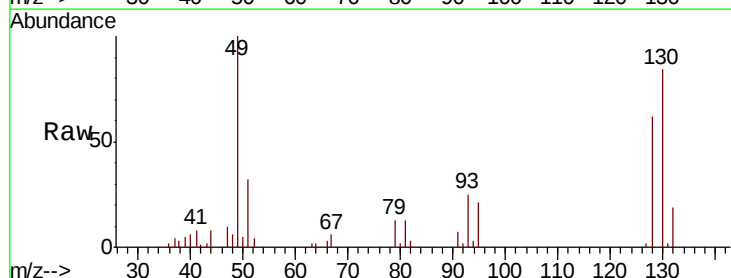
MMDadoda
9/12/2018 11:26:07 AM

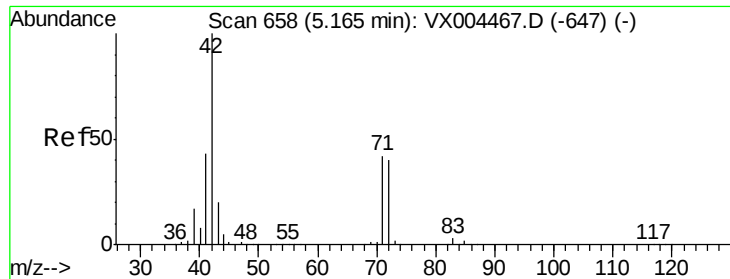


#28

Bromochloromethane
Concen: 5.13 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	13543		
129	0.9		0.0	4.2
130	80.0		67.5	101.3





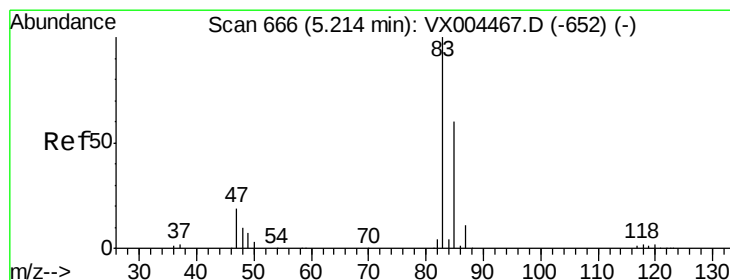
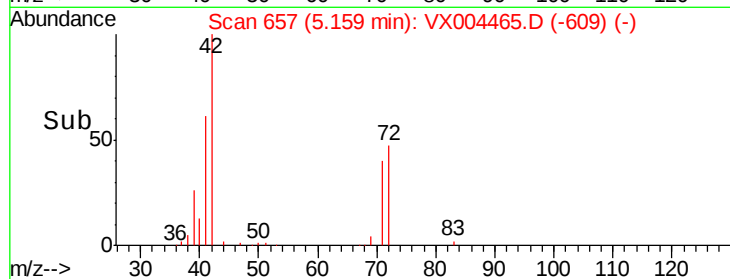
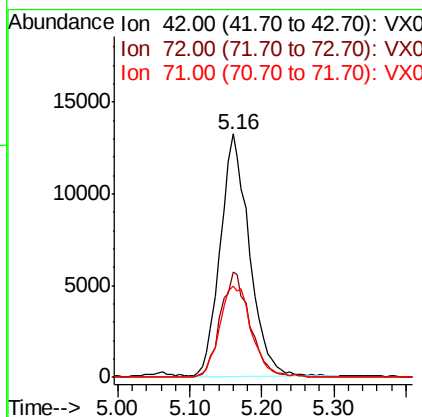
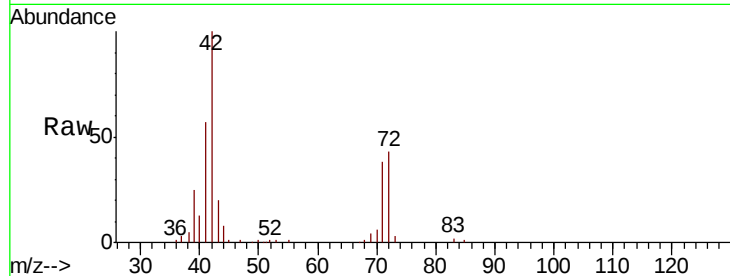
#29
Tetrahydrofuran
Concen: 23.29 ug/l
RT: 5.16 min Scan# 657
Delta R.T. -0.01 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.1	37.4	56.0
71	41.3	34.5	51.7

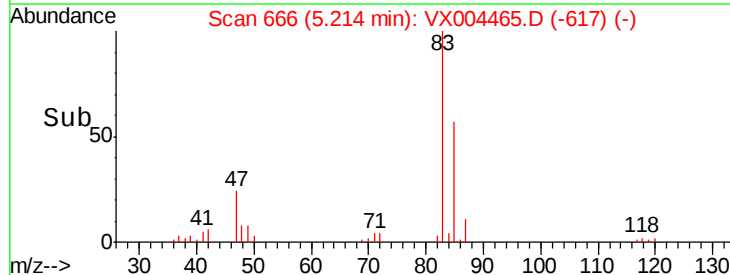
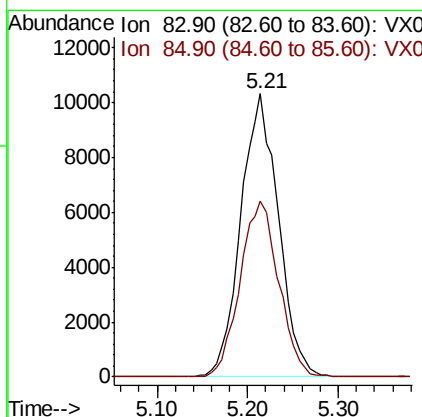
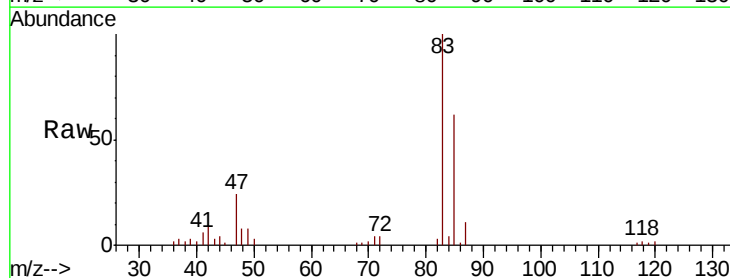
Manual Integrations
APPROVED

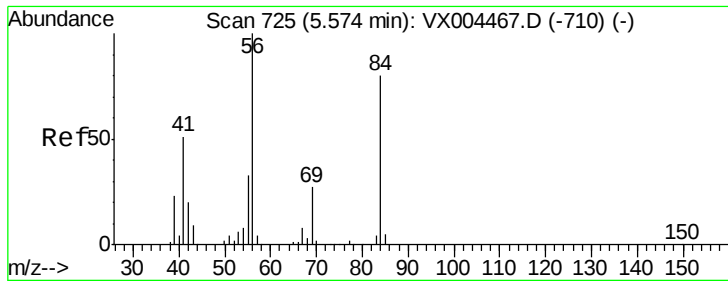
MMDadoda
9/12/2018 11:26:07 AM



#30
Chloroform
Concen: 5.25 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.2	52.6	79.0





#31

Cyclohexane

Concen: 4.68 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

Instrument :

MSVOA_X

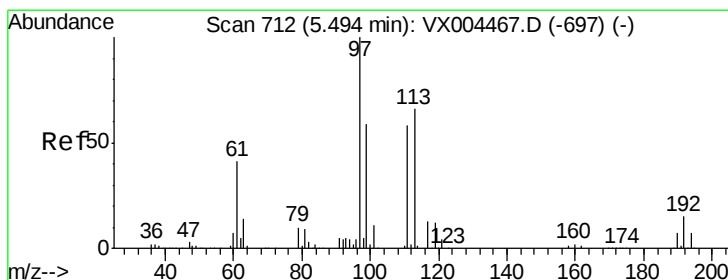
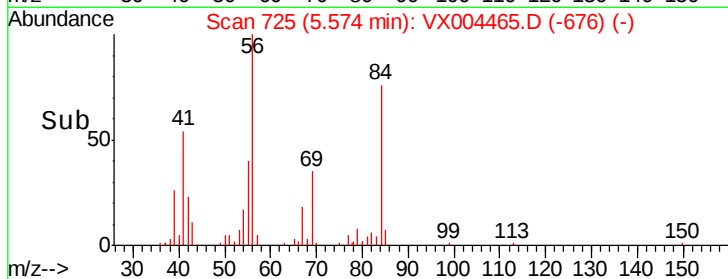
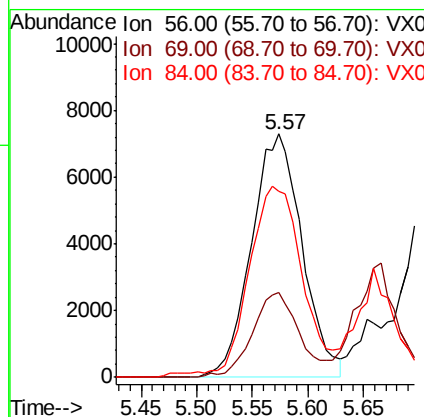
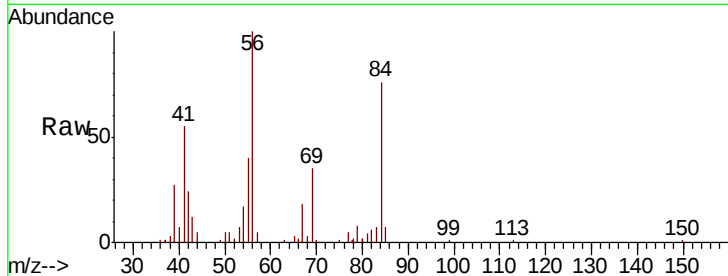
ClientSampleId :

VSTDIC005

Tot Ion:	56	Resp:	23065
Ion Ratio	Lower	Upper	
56	100		
69	35.1	25.4	38.2
84	74.5	71.4	107.2

Manual Integrations
APPROVED

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#32

1,1,1-Trichloroethane

Concen: 4.98 ug/l

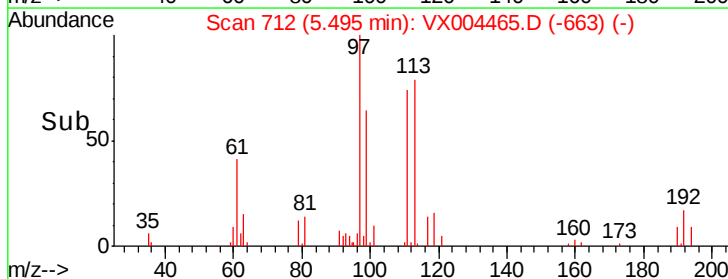
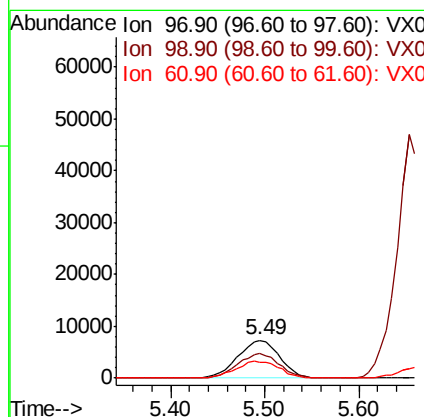
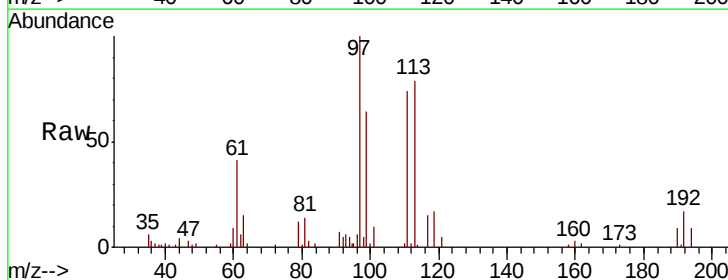
RT: 5.49 min Scan# 712

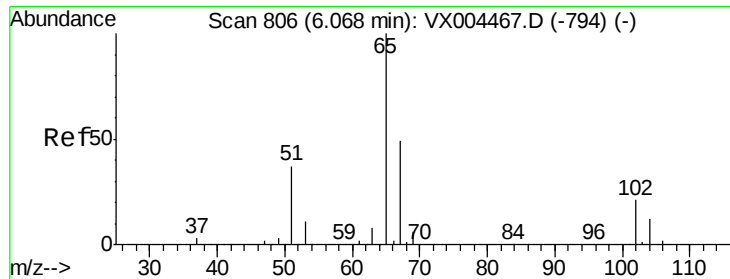
Delta R.T. 0.00 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

Tgt Ion:	97	Resp:	22624
Ion Ratio	Lower	Upper	
97	100		
99	65.0	52.0	78.0
61	46.5	34.9	52.3





#33

1,2-Dichloroethane-d4

Concen: 5.97 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

Tot Ion: 65 Resp: 20336

Ion Ratio Lower Upper

65 100

67 56.0 0.0 106.8

Instrument :

MSVOA_X

ClientSampleId :

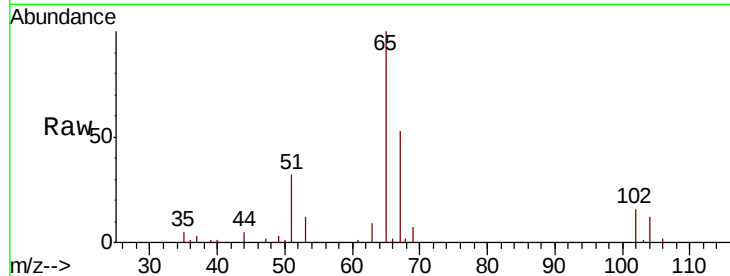
VSTDIC005

Manual Integrations

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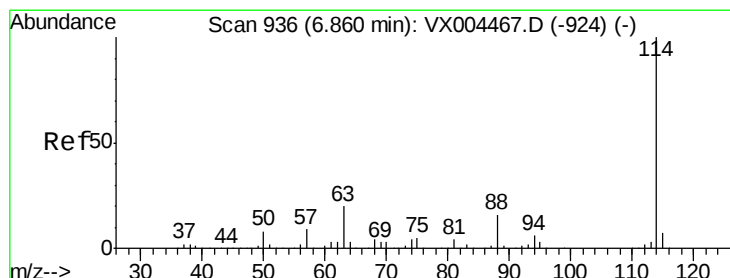
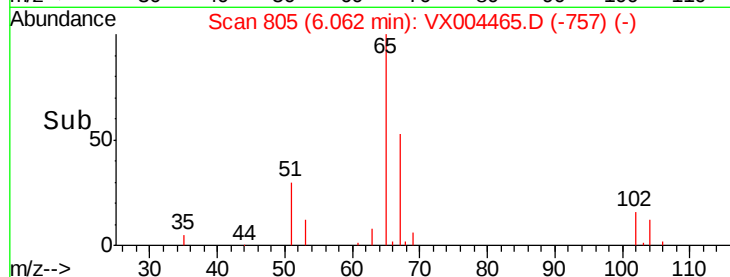
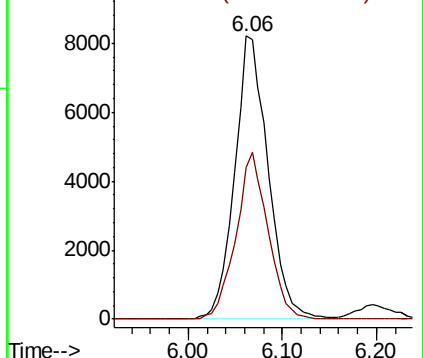
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

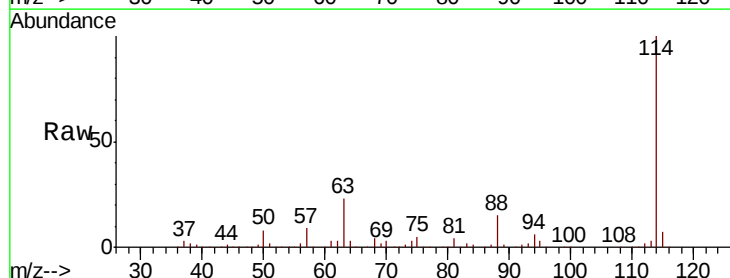
Tgt Ion: 114 Resp: 330953

Ion Ratio Lower Upper

114 100

63 23.3 0.0 39.0

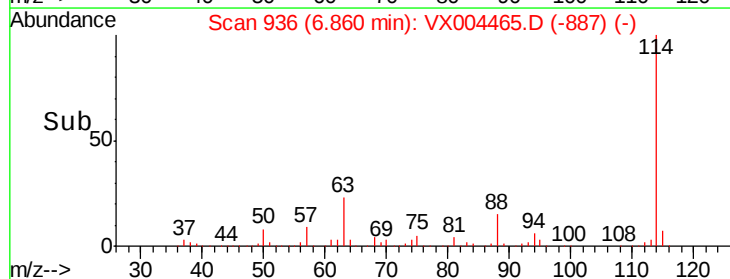
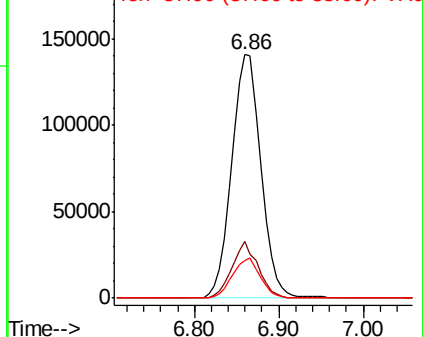
88 15.4 0.0 30.4

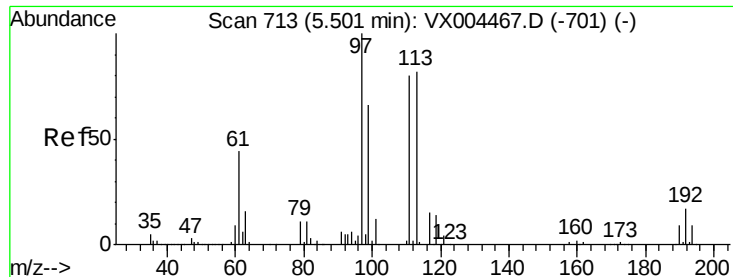


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





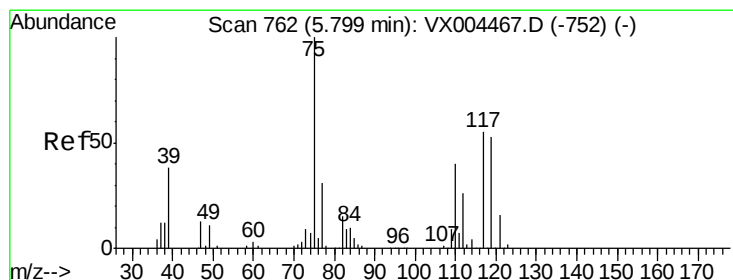
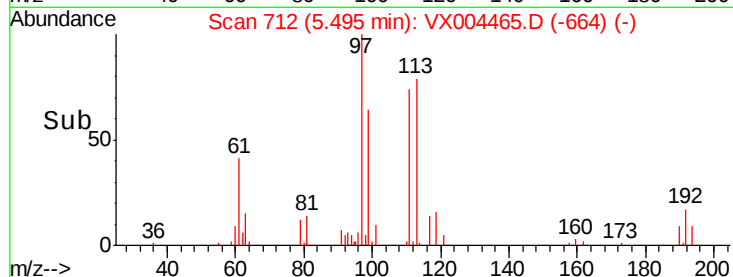
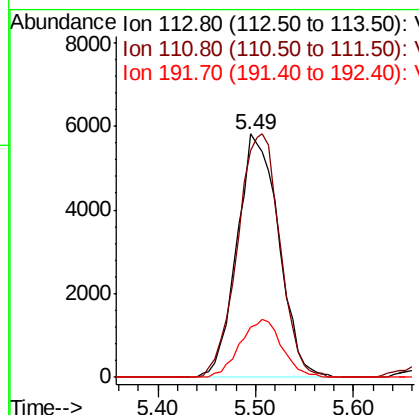
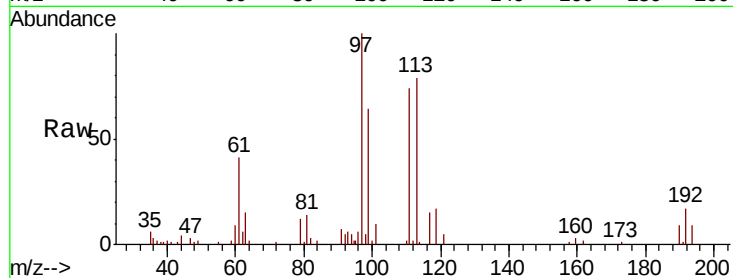
#35
Dibromofluoromethane
Concen: 5.67 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.1	82.4	123.6
192	23.7	19.4	29.2

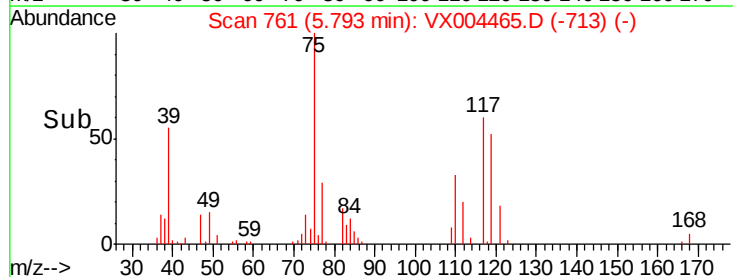
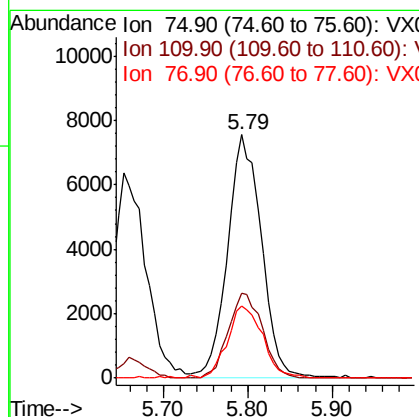
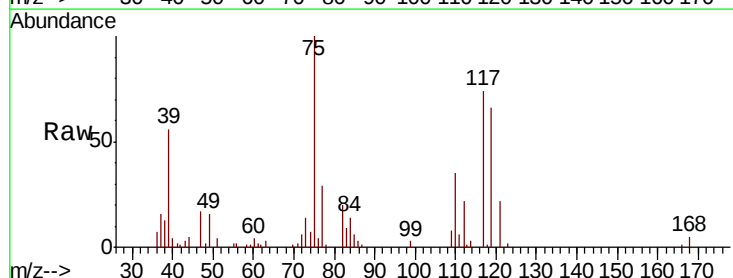
Manual Integrations
APPROVED

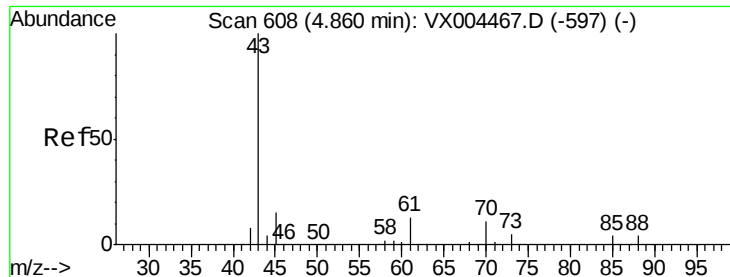
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#36
1,1-Dichloropropene
Concen: 5.15 ug/l
RT: 5.79 min Scan# 761
Delta R.T. -0.01 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.1	18.0	54.0
77	30.9	24.6	36.8





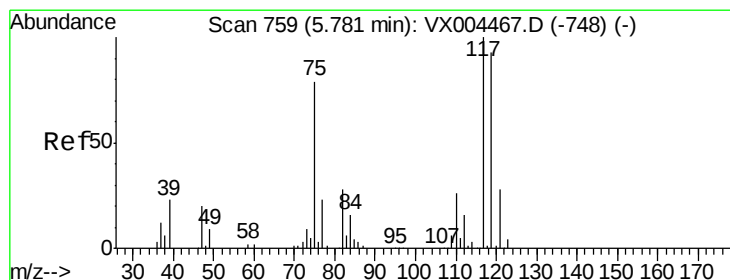
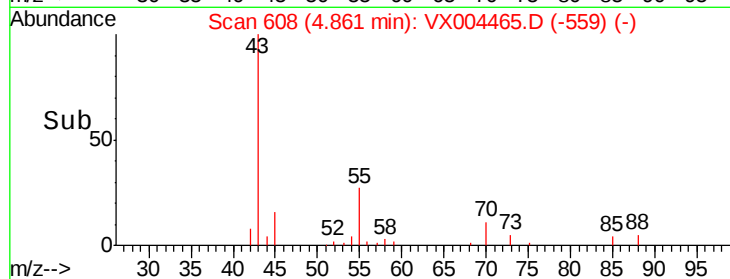
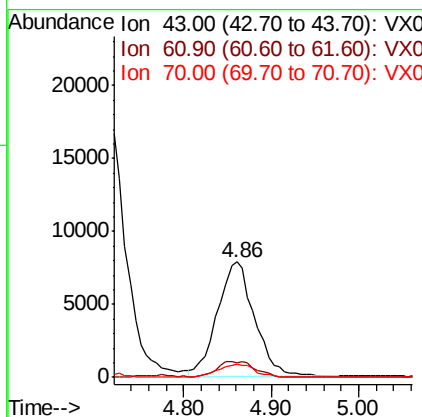
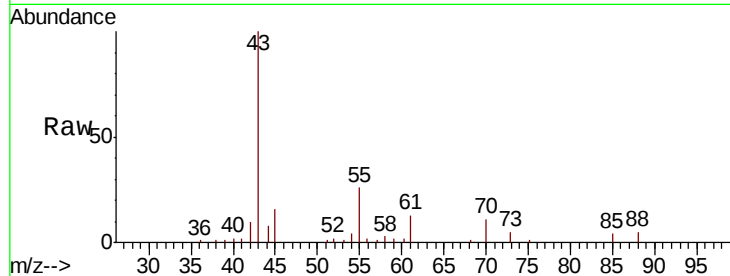
#37
Ethyl Acetate
Concen: 5.03 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.00 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.5	17.3
70	11.5	9.0	13.6

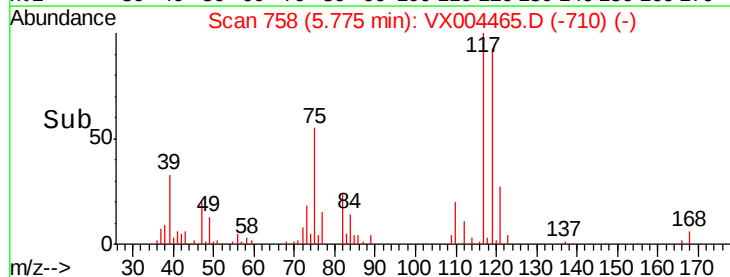
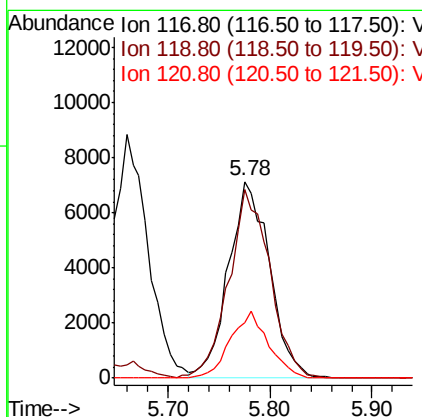
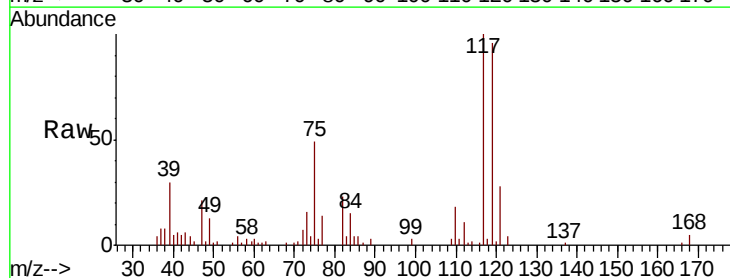
Manual Integrations
APPROVED

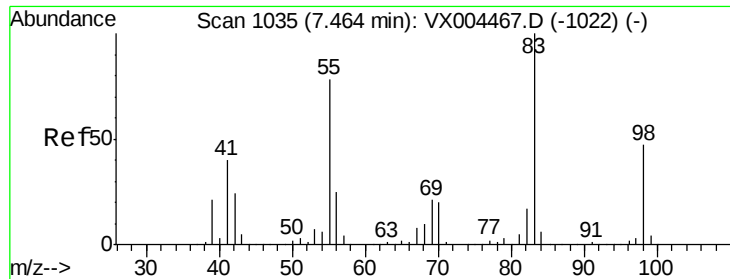
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#38
Carbon Tetrachloride
Concen: 5.11 ug/l
RT: 5.78 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	78.8	118.2
121	28.3	24.9	37.3





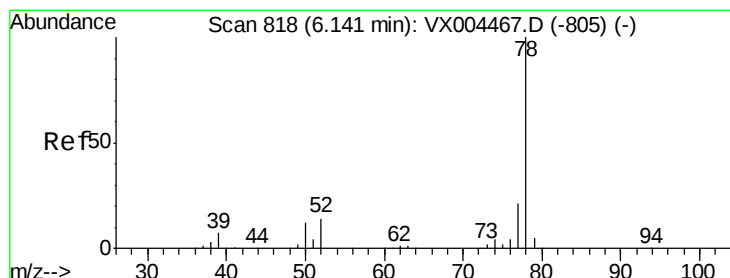
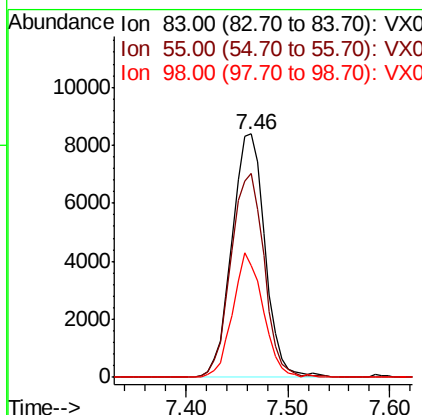
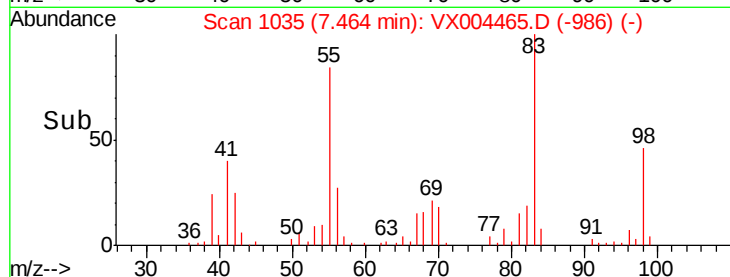
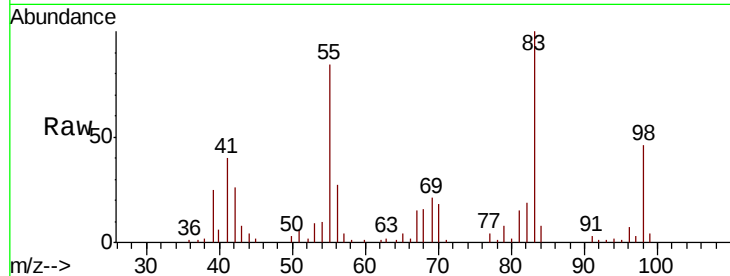
#39
Methylvlcyclohexane
Concen: 4.50 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	83.00	Resp:	18872
Ion	Ratio	Lower	Upper
83	100		
55	83.8	61.0	91.4
98	46.1	39.6	59.4

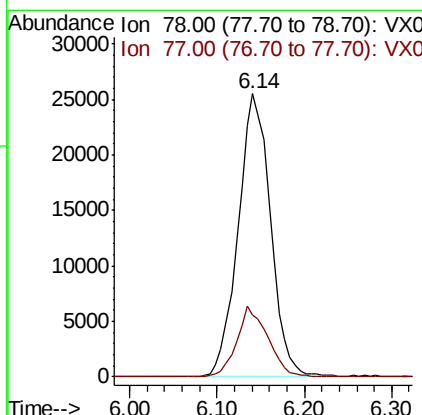
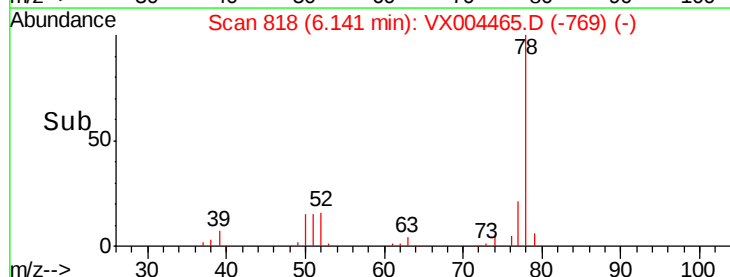
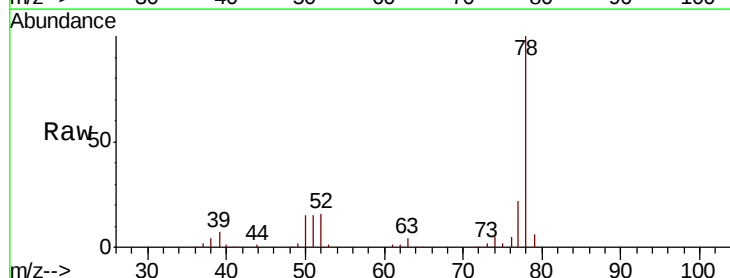
Manual Integrations
APPROVED

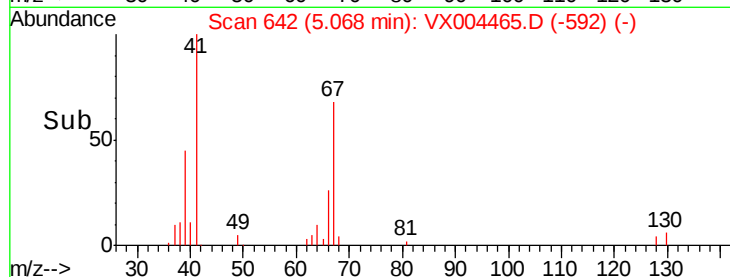
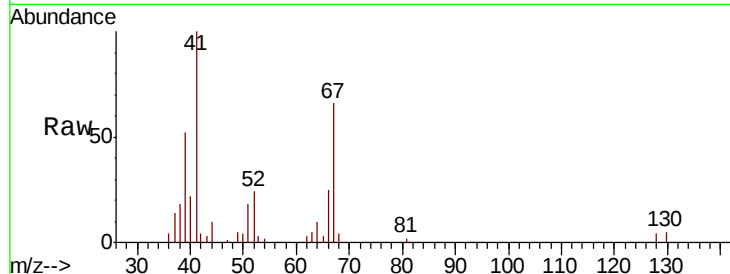
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#40
Benzene
Concen: 5.50 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

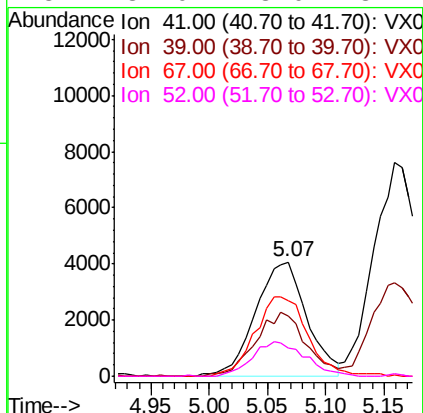
Tgt Ion	78.00	Resp:	65570
Ion	Ratio	Lower	Upper
78	100		
77	21.8	19.0	28.4





#41
Methacrylonitrile
Concen: 4.92 ug/l
RT: 5.07 min Scan# 642
Delta R.T. 0.01 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

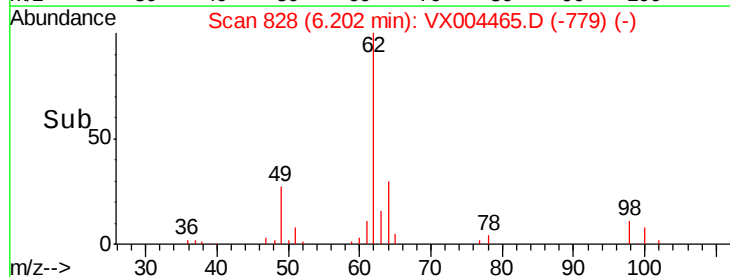
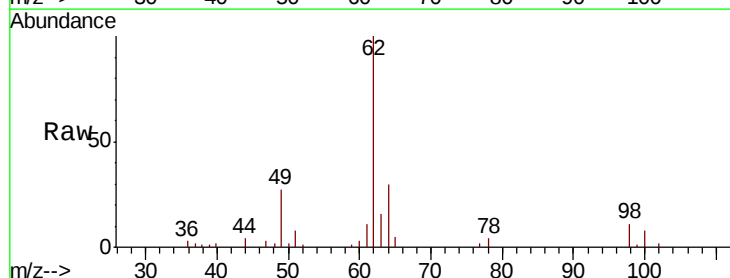
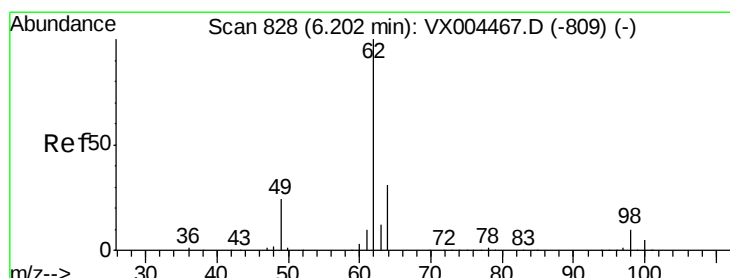
Tot Ion	Ratio	Lower	Upper
41	100		
39	54.9	42.4	63.6
67	71.8	59.2	88.8
52	31.0	23.0	34.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

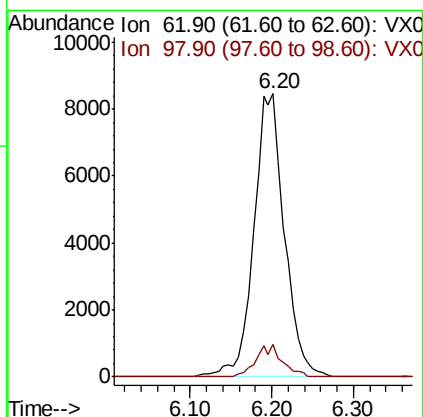
Manual Integrations
APPROVED

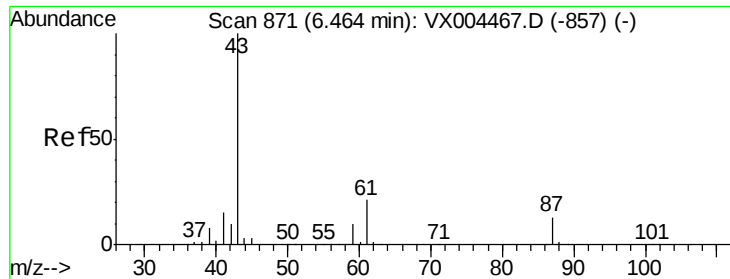
MMDadoda
9/12/2018 11:26:07 AM



#42
1,2-Dichloroethane
Concen: 5.60 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.00 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	20.6





#43

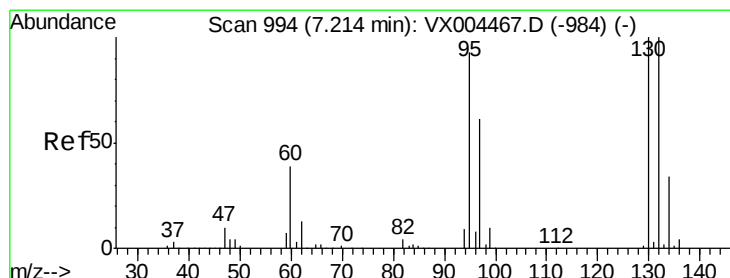
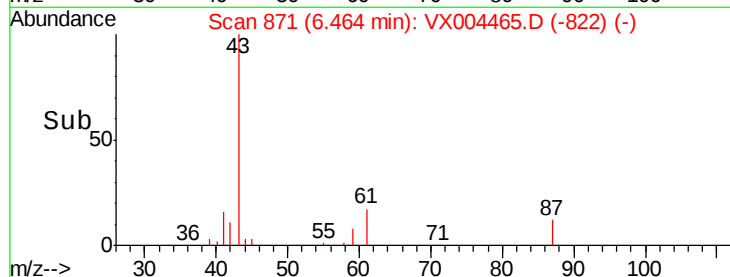
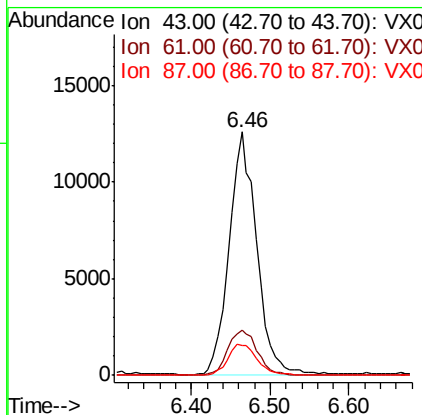
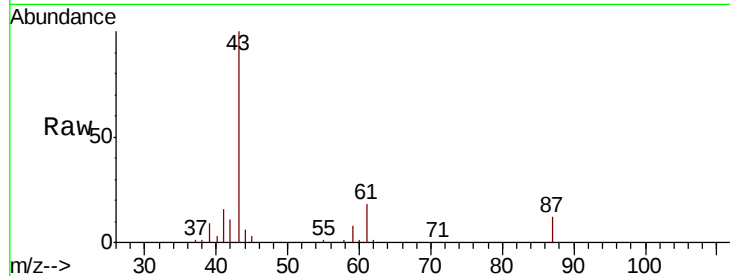
Isopropyl Acetate
 Concen: 5.08 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.00 min
 Lab File: VX004465.D
 Acq: 11 Sep 2018 13:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	43	61	87
Resp	30853		
Ratio	100	19.6	13.4
Lower		17.0	11.4
Upper		25.4	17.2

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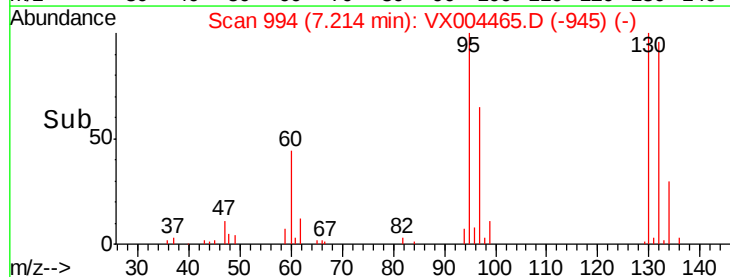
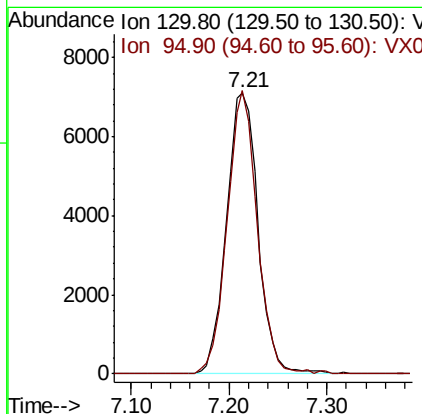
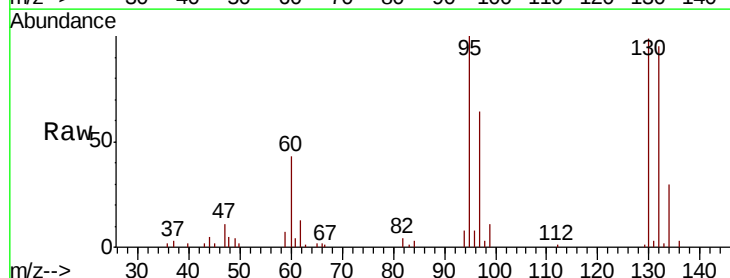
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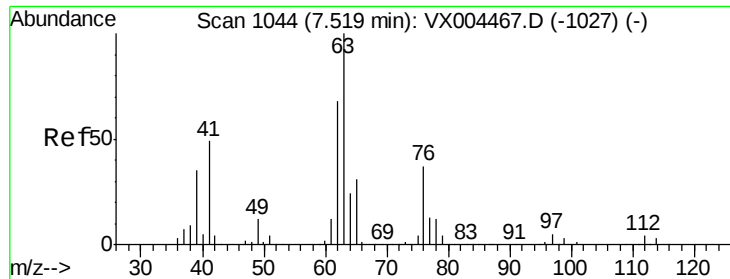


#44

Trichloroethene
 Concen: 5.13 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX004465.D
 Acq: 11 Sep 2018 13:00

Tgt Ion	130	95
Resp	15876	
Ratio	100	100.6
Lower		0.0
Upper		181.6





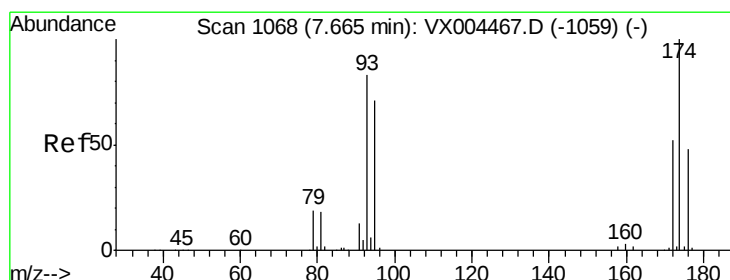
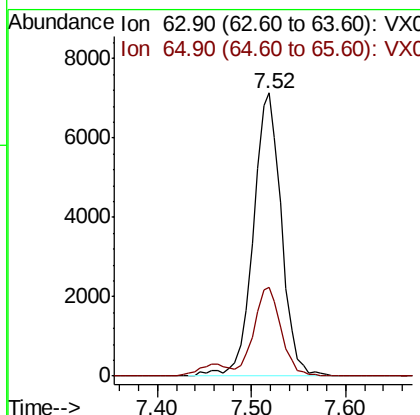
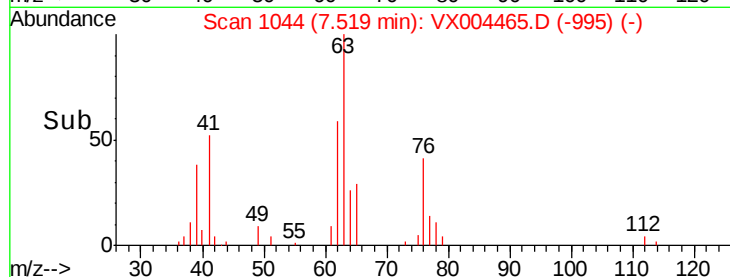
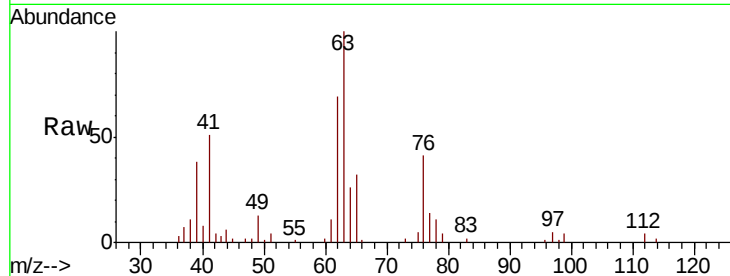
#45
 1,2-Dichloropropane
 Concen: 5.21 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: VX004465.D
 Acq: 11 Sep 2018 13:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.3	36.5

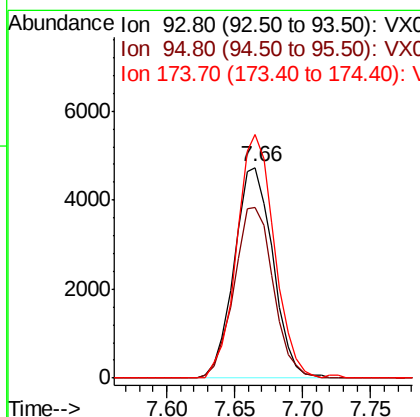
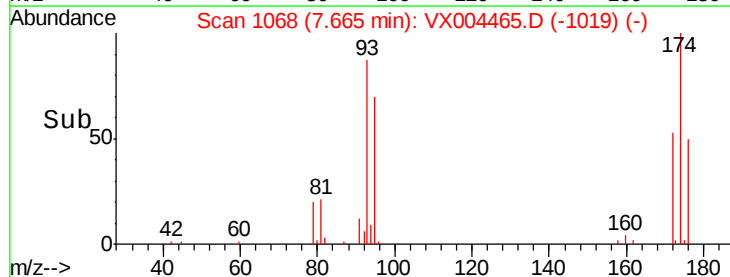
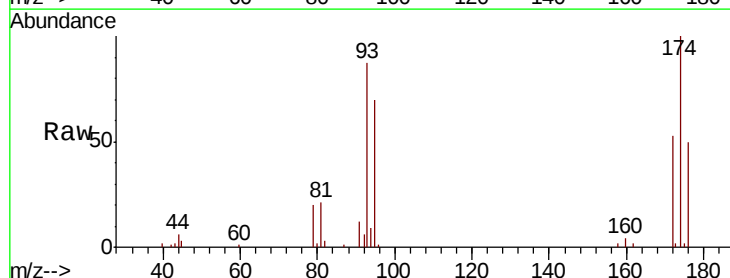
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#46
 Dibromomethane
 Concen: 5.18 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VX004465.D
 Acq: 11 Sep 2018 13:00

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.2	65.5	98.3
174	112.1	94.2	141.4





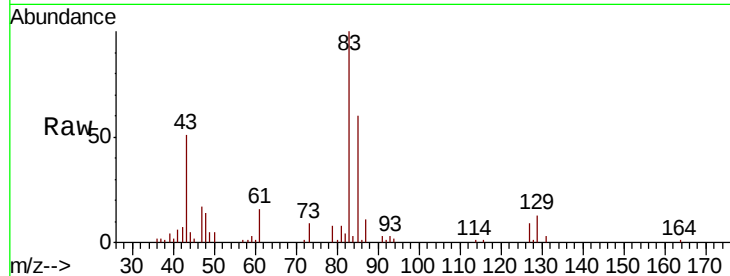
#47
Bromodichloromethane
Concen: 4.91 ug/l
RT: 7.90 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
83	100	16825		
85	60.1		50.9	76.3
127	9.2		7.3	10.9

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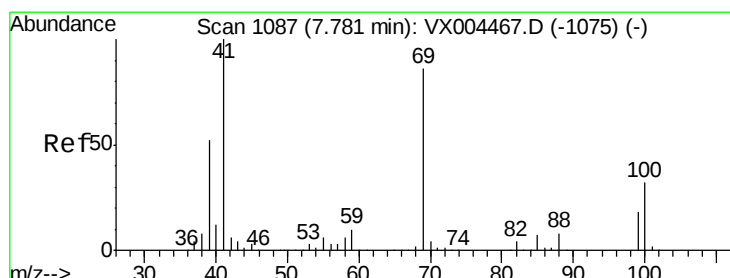
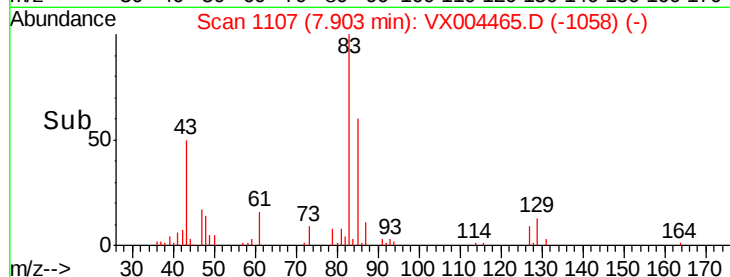
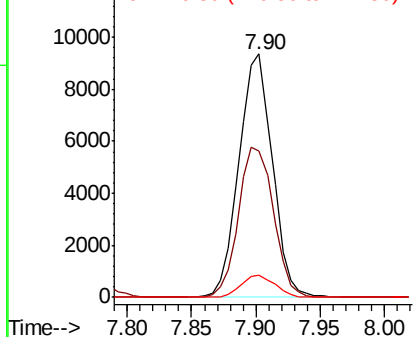


Abundance

Ion 82.90 (82.60 to 83.60): VX0

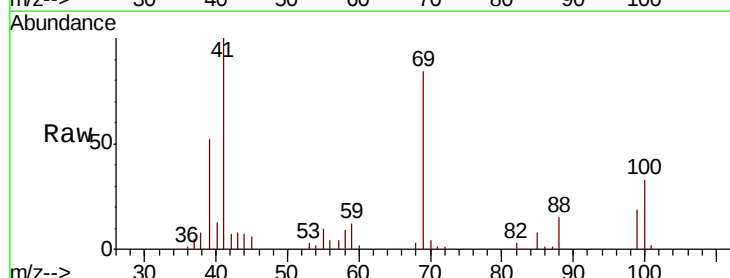
Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48
Methyl methacrylate
Concen: 4.63 ug/l
RT: 7.78 min Scan# 1087
Delta R.T. 0.00 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	13901		
69	84.7		70.2	105.4
39	51.8		42.7	64.1

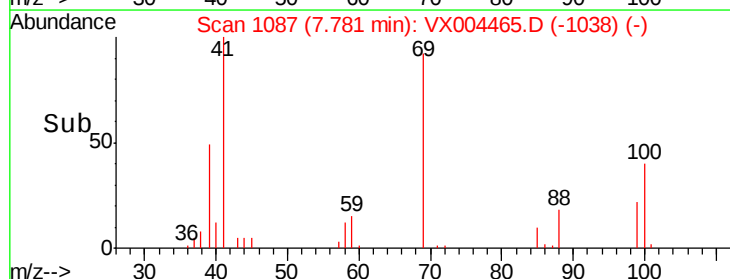
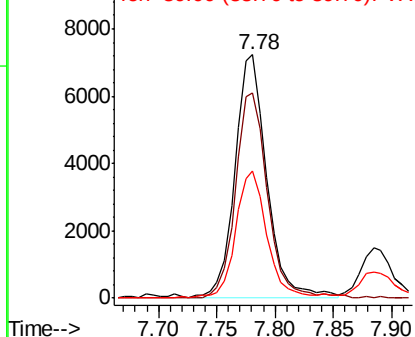


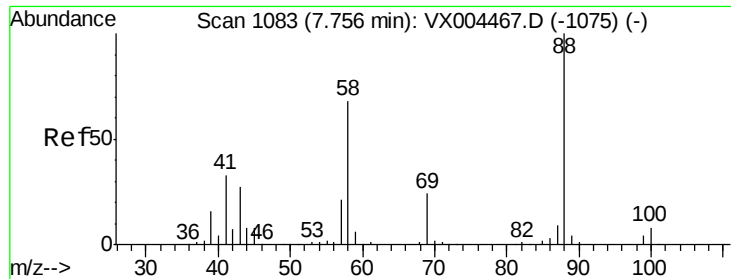
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





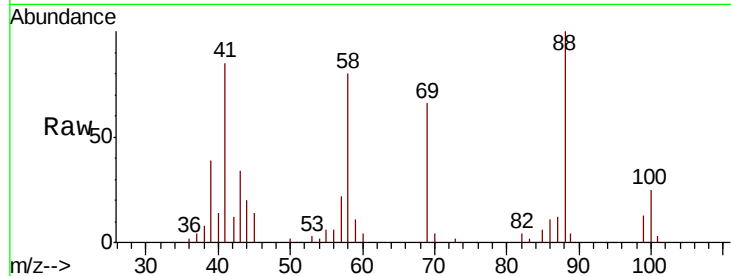
#49
1,4-Dioxane
Concen: 94.07 ug/l
RT: 7.76 min Scan# 1084
Delta R.T. 0.01 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

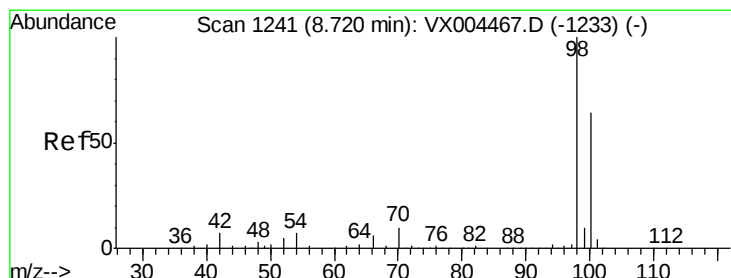
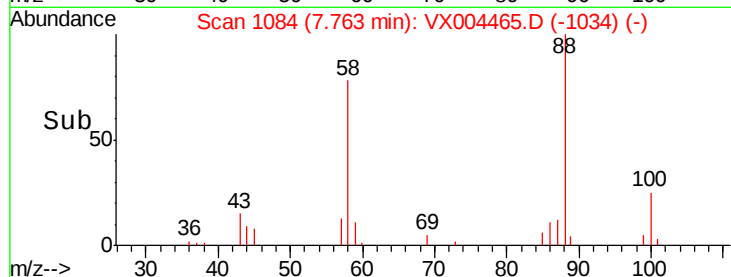
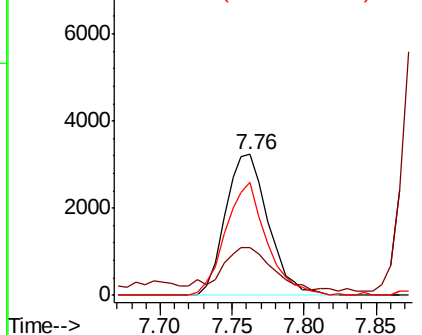
Tot Ion	Ratio	Lower	Upper
88	100		
43	33.6	24.7	37.1
58	77.3	55.3	82.9

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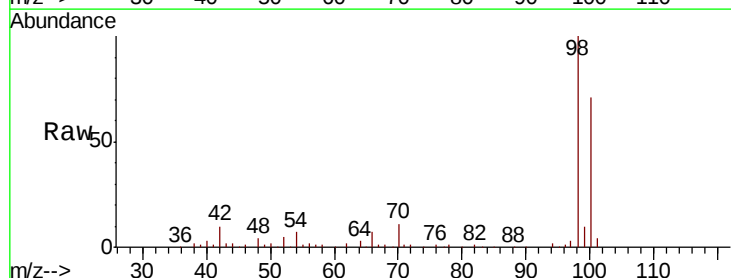


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

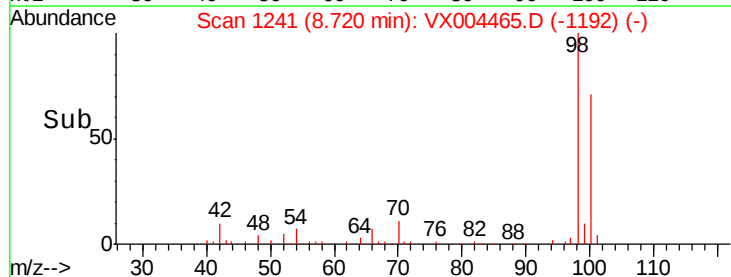
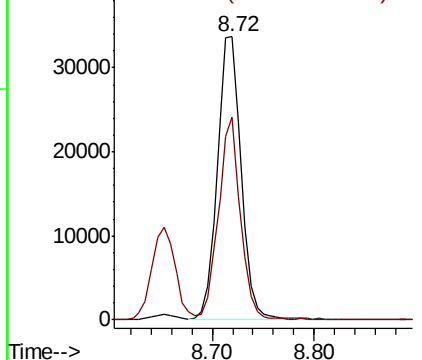


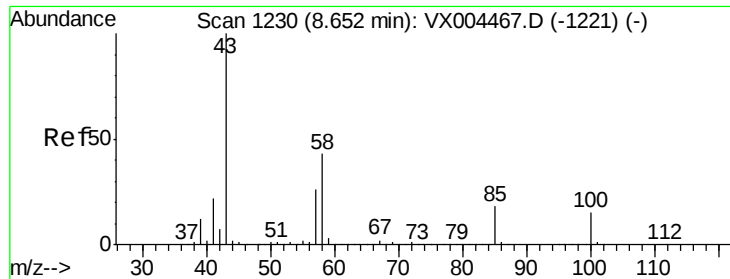
#50
Toluene-d8
Concen: 5.45 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.9	79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





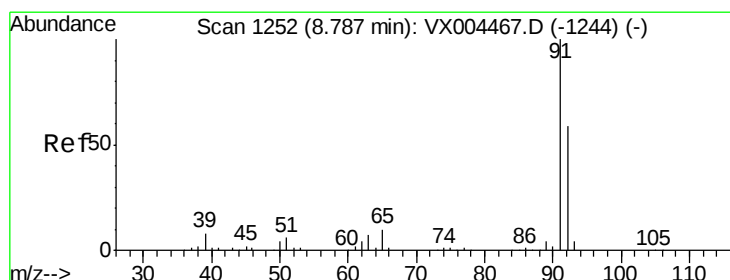
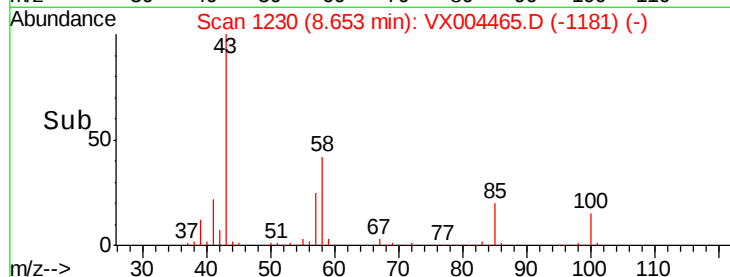
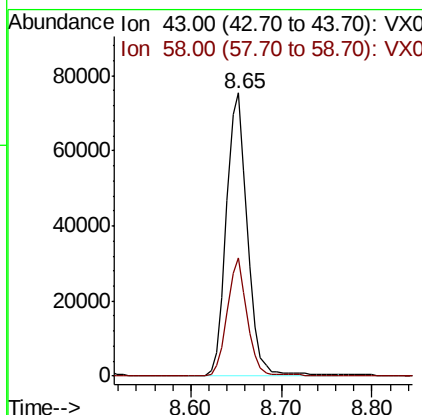
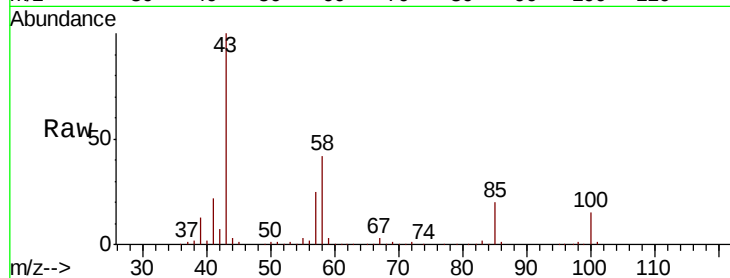
#51
4-Methyl-2-Pentanone
Concen: 28.36 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.4	33.1	49.7

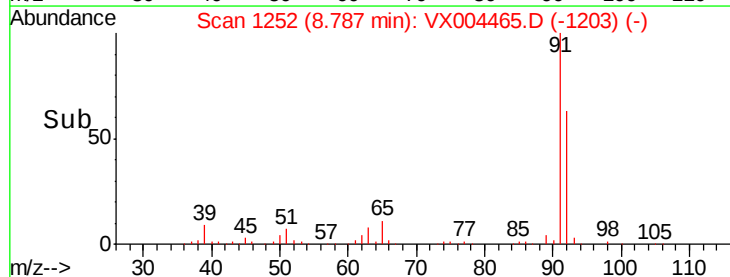
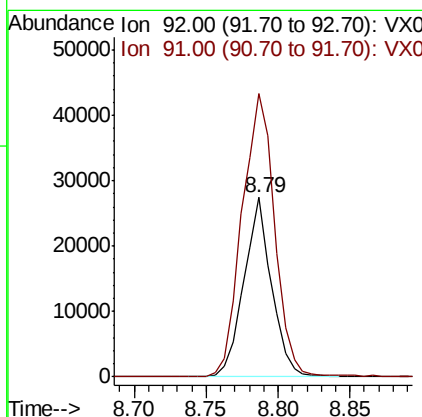
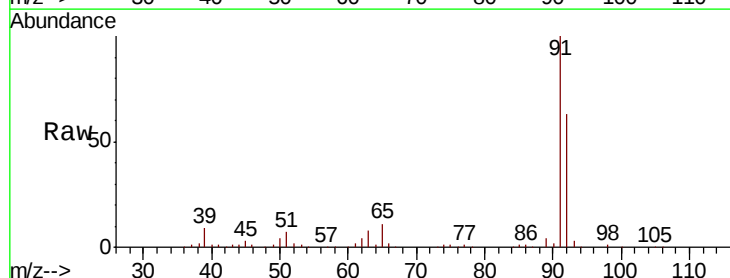
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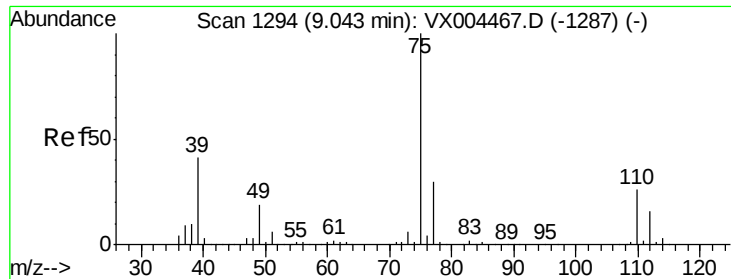
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#52
Toluene
Concen: 5.22 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

Tgt Ion	Ratio	Lower	Upper
92	100		
91	185.8	136.4	204.6





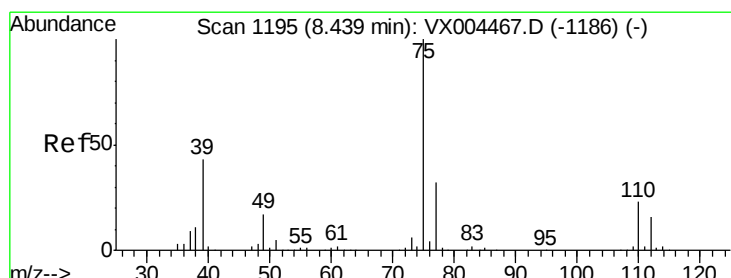
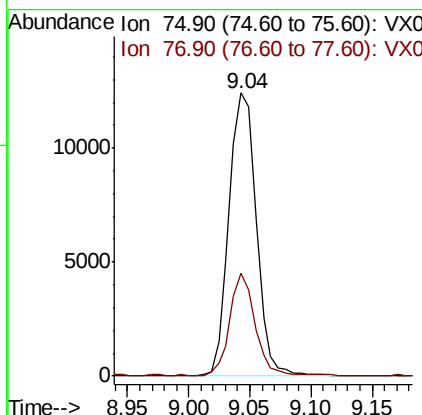
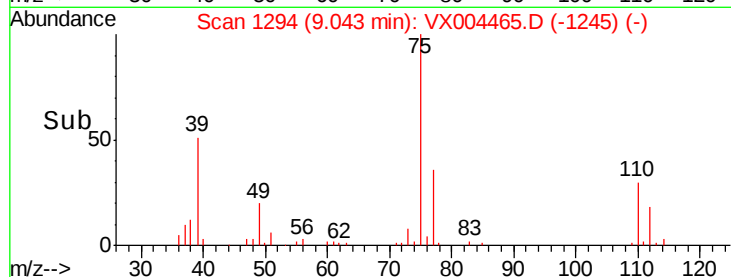
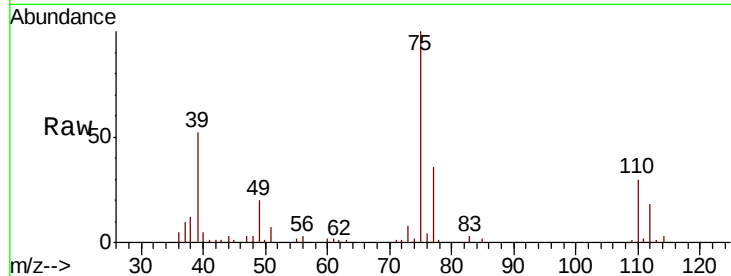
#53
t-1,3-Dichloropropene
Concen: 4.81 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 19240
Ion Ratio Lower Upper
75 100
77 36.5 24.6 37.0

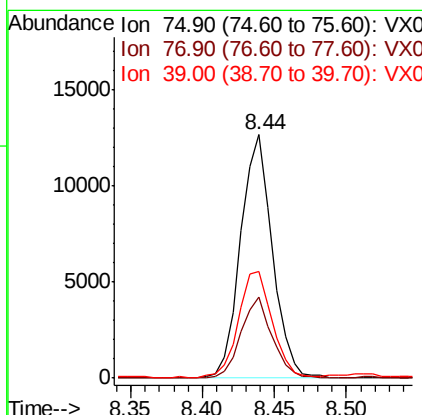
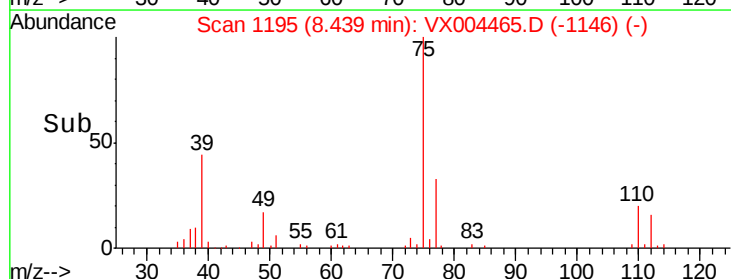
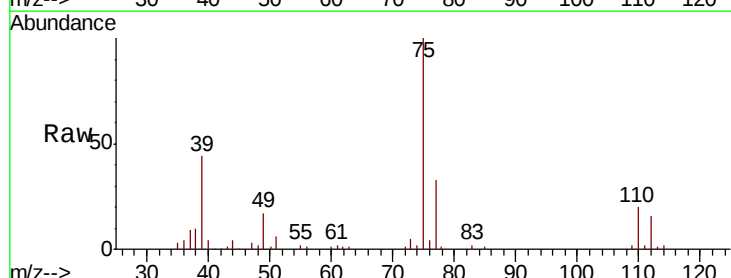
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#54
cis-1,3-Dichloropropene
Concen: 4.76 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.00 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

Tgt Ion: 75 Resp: 19442
Ion Ratio Lower Upper
75 100
77 33.1 26.2 39.2
39 44.0 36.4 54.6





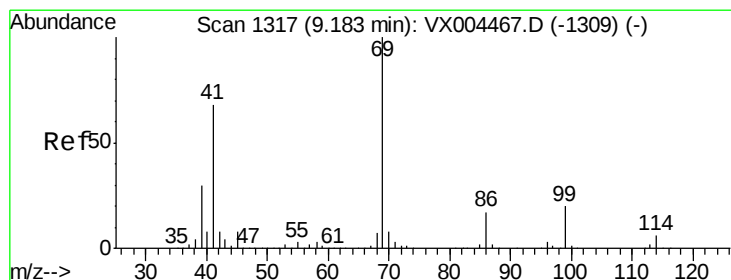
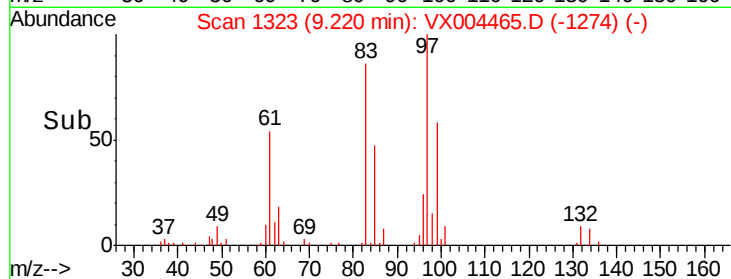
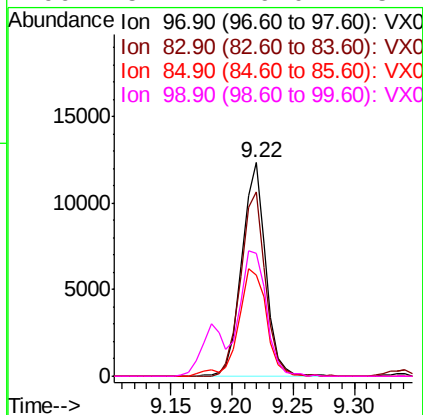
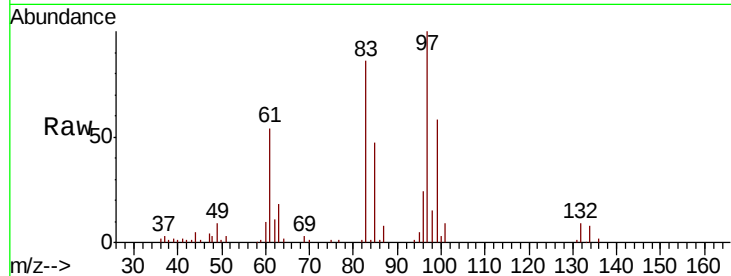
#55
 1,1,2-Trichloroethane
 Concen: 5.51 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VX004465.D
 Acq: 11 Sep 2018 13:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	16653
Ion Ratio	Lower	Upper	
97	100		
83	86.4	66.4	99.6
85	47.5	43.3	64.9
99	57.7	49.0	73.4

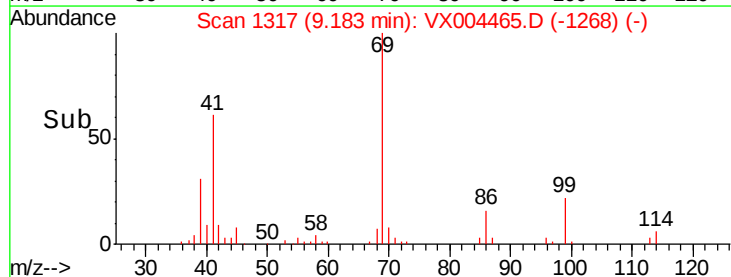
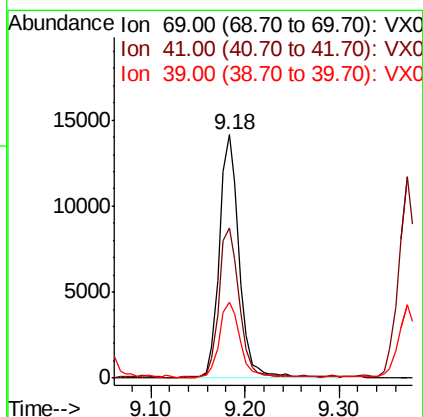
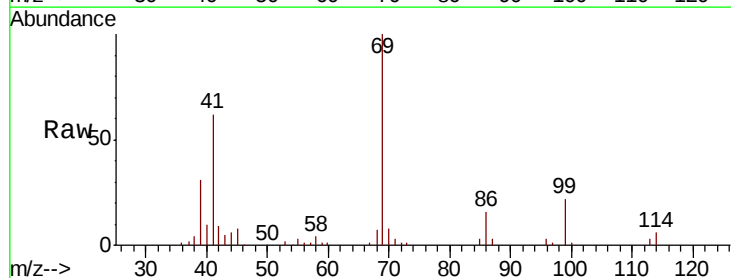
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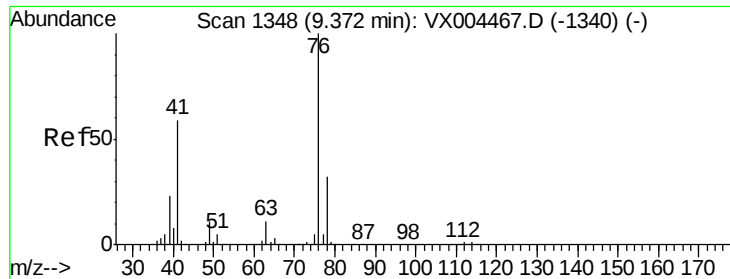
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#56
 Ethyl methacrylate
 Concen: 4.84 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX004465.D
 Acq: 11 Sep 2018 13:00

Tgt Ion:	69	Resp:	20692
Ion Ratio	Lower	Upper	
69	100		
41	64.5	51.0	76.4
39	33.5	26.1	39.1





#57

1,3-Dichloropropane

Concen: 5.49 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 26957

Ion Ratio Lower Upper

76 100

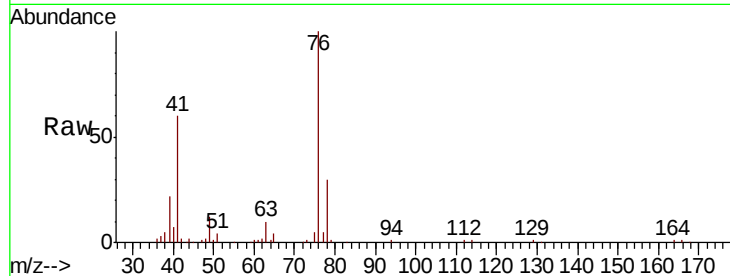
78 32.0 25.5 38.3

Manual Integrations

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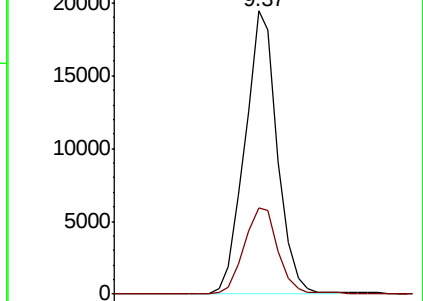
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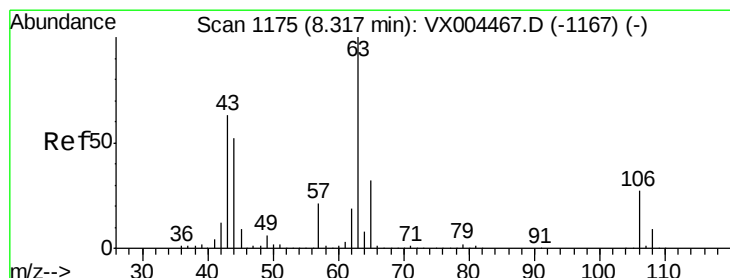
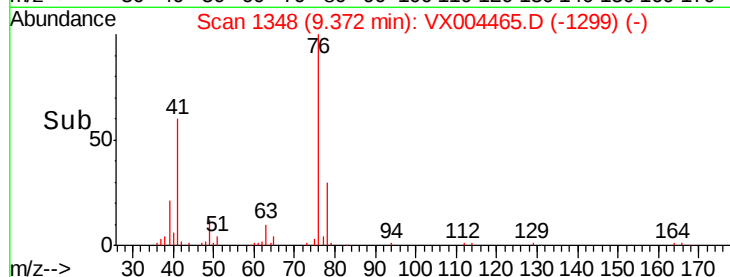


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 23.20 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VX004465.D

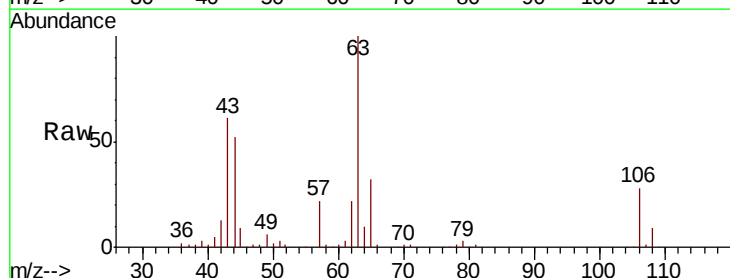
Acq: 11 Sep 2018 13:00

Tgt Ion: 63 Resp: 45527

Ion Ratio Lower Upper

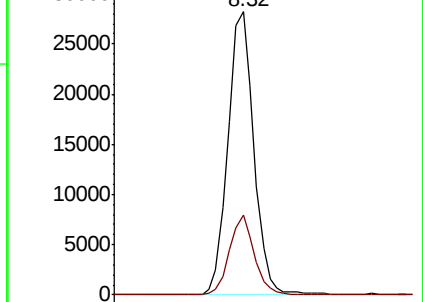
63 100

106 26.9 23.9 35.9

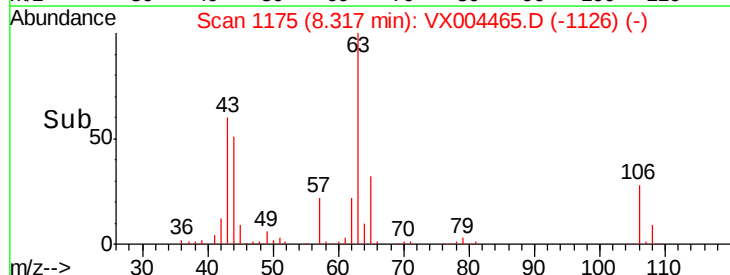


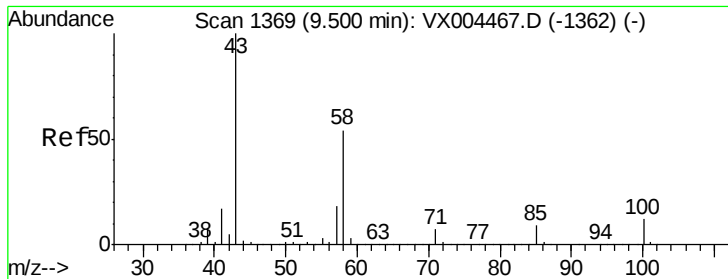
Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V



Time-->





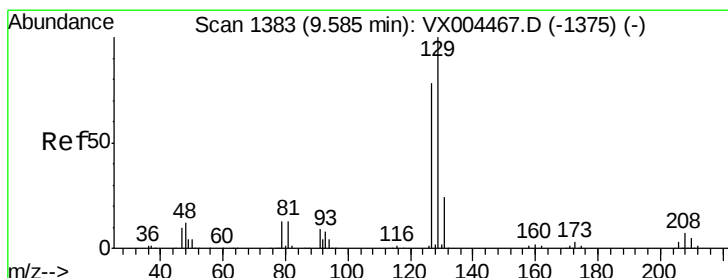
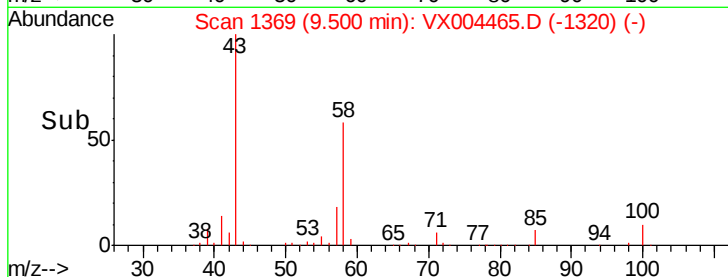
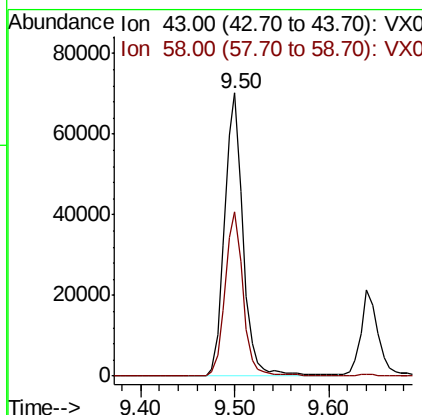
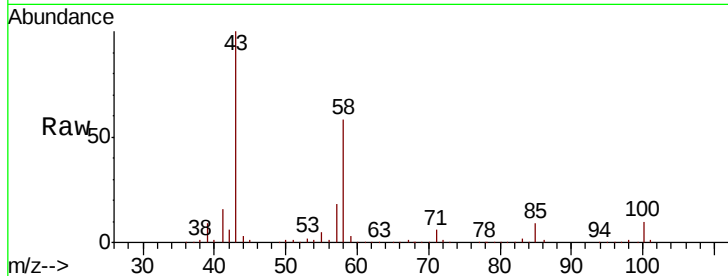
#59
2-Hexanone
Concen: 29.08 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	43	58	Ratio	Lower	Upper
43	100				
58	56.6		29.0	87.0	

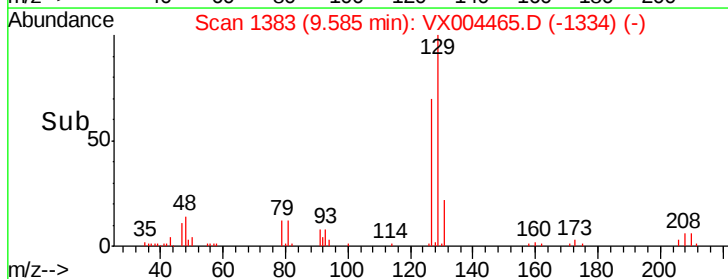
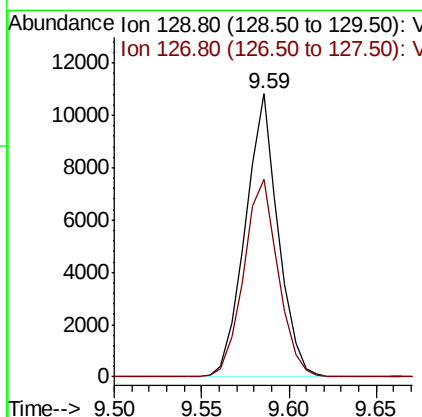
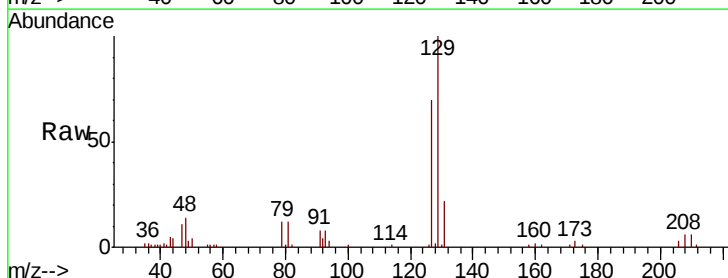
Manual Integrations
APPROVED

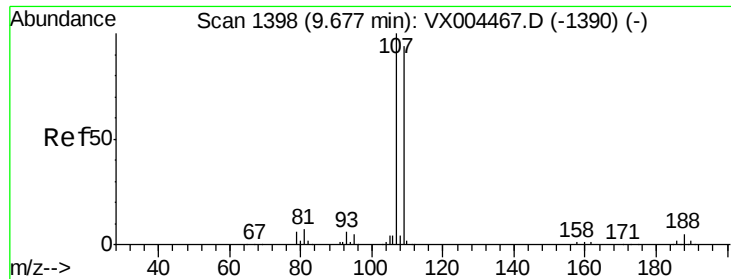
MMDadoda
9/12/2018 11:26:07 AM



#60
Dibromochloromethane
Concen: 4.94 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

Tgt Ion	129	127	Ratio	Lower	Upper
129	100				
127	73.3		38.5	115.5	





#61

1,2-Dibromoethane

Concen: 4.91 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.00 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 14198

Ion Ratio Lower Upper

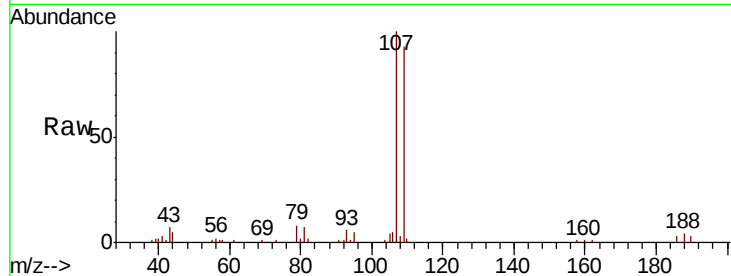
107 100

109 95.6 76.0 114.0

Manual Integrations
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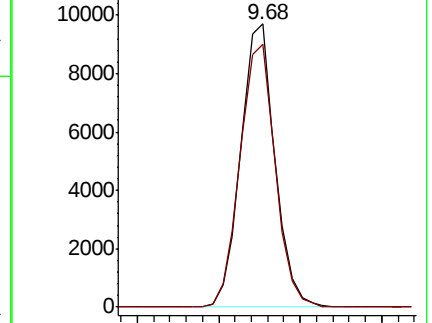
MMDadoda

9/12/2018 11:26:07 AM

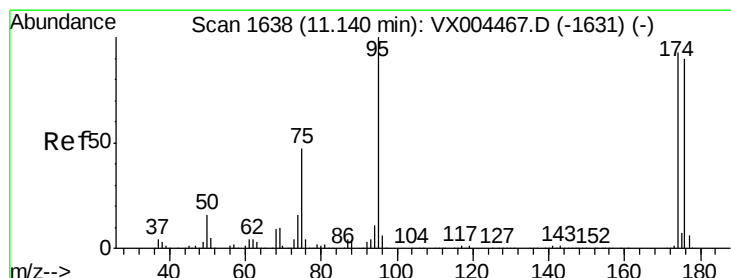
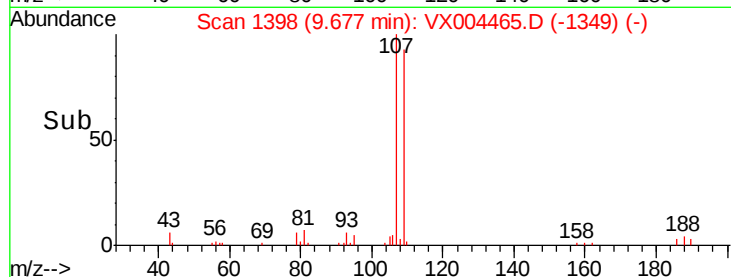


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 5.01 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

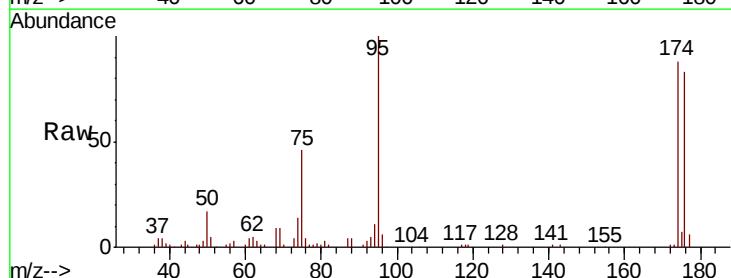
Tgt Ion: 95 Resp: 18178

Ion Ratio Lower Upper

95 100

174 91.4 0.0 185.2

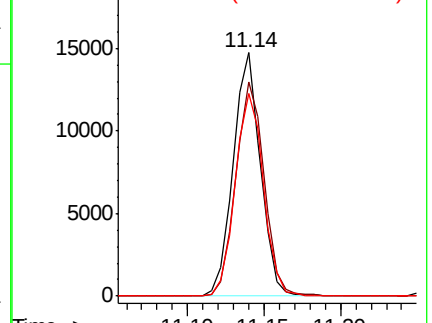
176 86.2 0.0 178.6



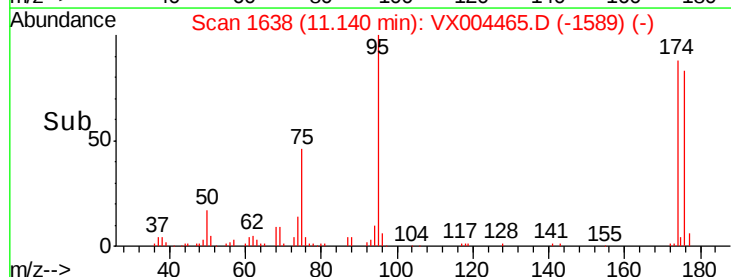
Abundance Ion 94.90 (94.60 to 95.60): VX0

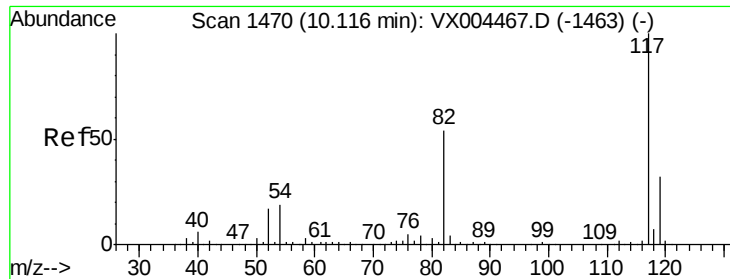
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





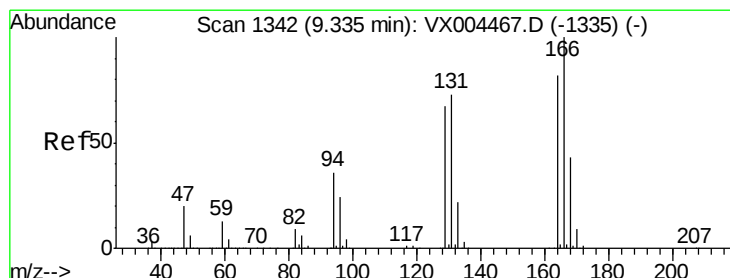
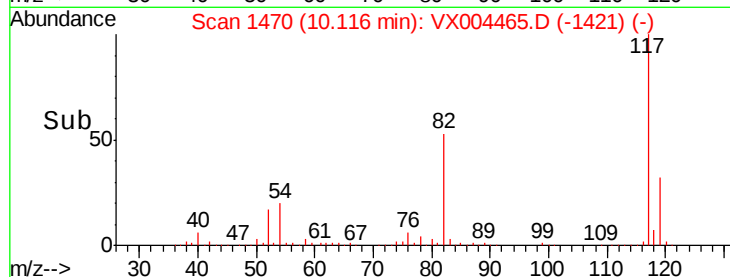
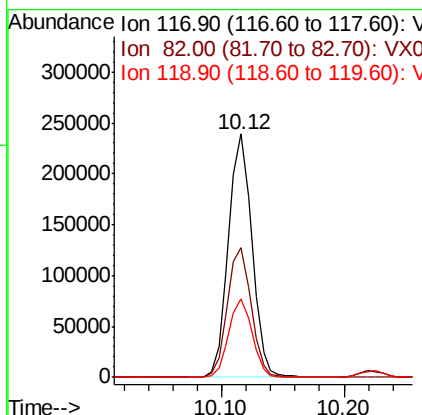
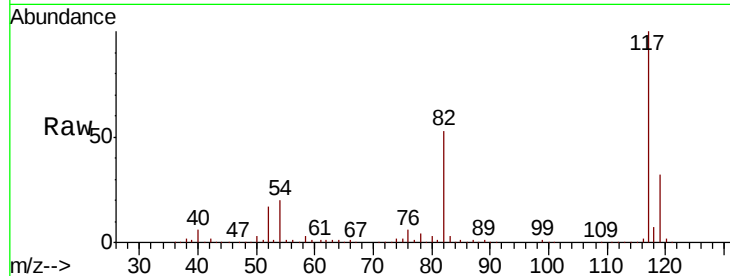
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	47.8	71.6
119	32.3	29.3	43.9

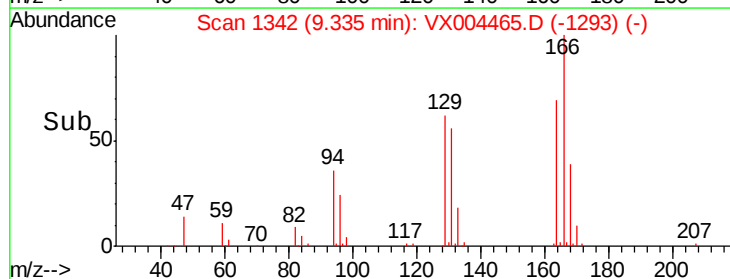
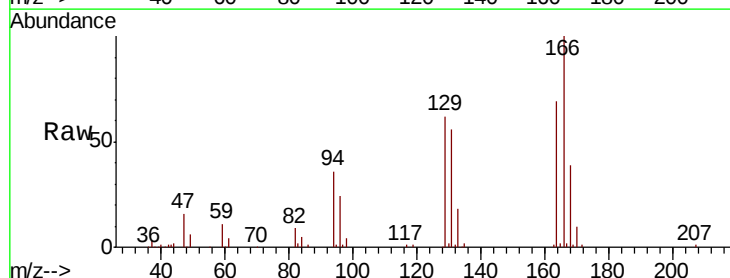
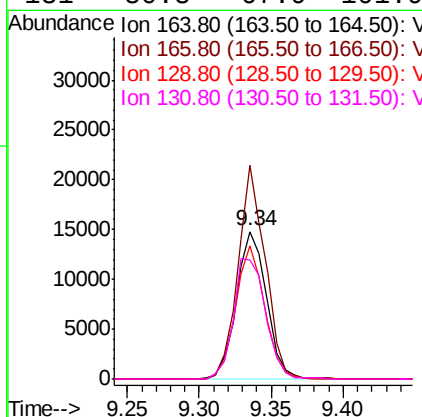
Manual Integrations
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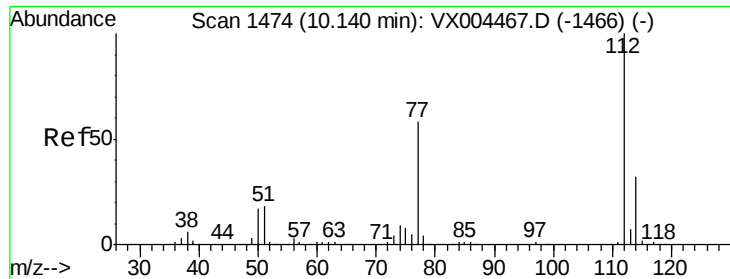
MMDadoda
9/12/2018 11:26:07 AM



#64
Tetrachloroethene
Concen: 5.41 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	144.8	102.8	154.2
129	90.2	69.4	104.0
131	80.8	67.9	101.9





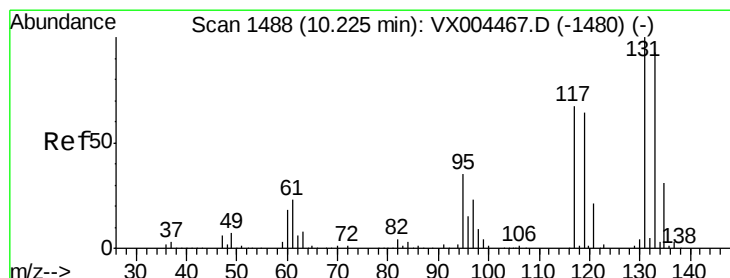
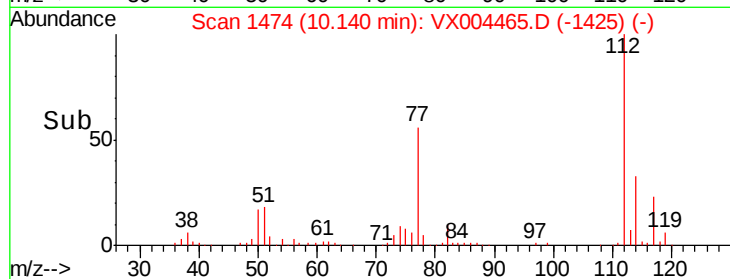
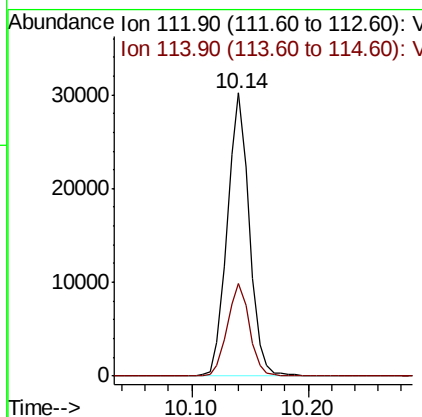
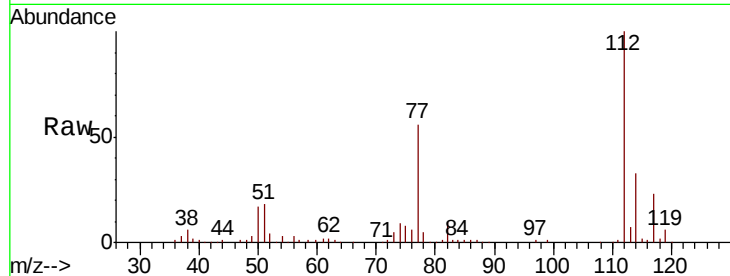
#65
Chlorobenzene
Concen: 5.01 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 39591
Ion Ratio Lower Upper
112 100
114 32.7 27.8 41.8

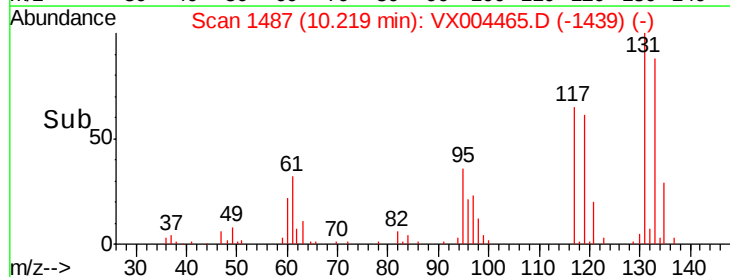
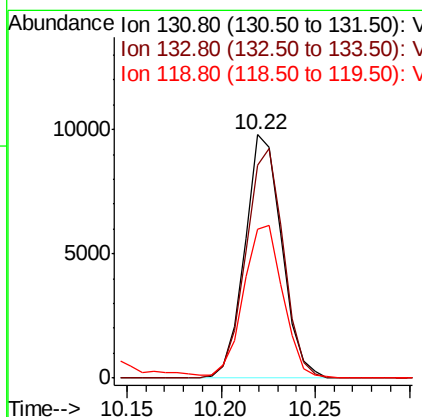
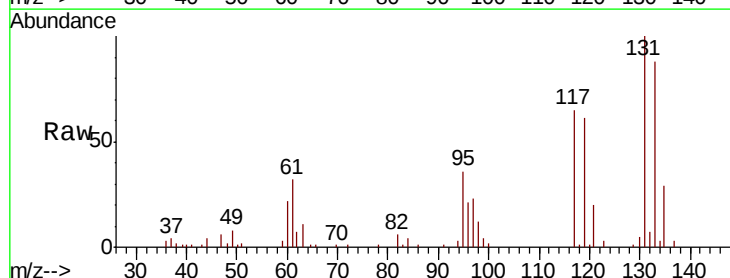
Manual Integrations
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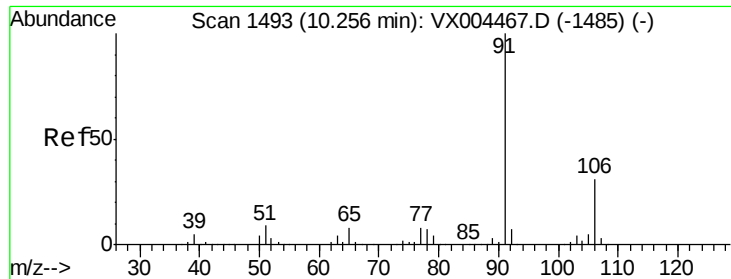
MMDadoda
9/12/2018 11:26:07 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 4.87 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

Tgt Ion:131 Resp: 13276
Ion Ratio Lower Upper
131 100
133 96.0 48.1 144.4
119 67.7 32.9 98.6





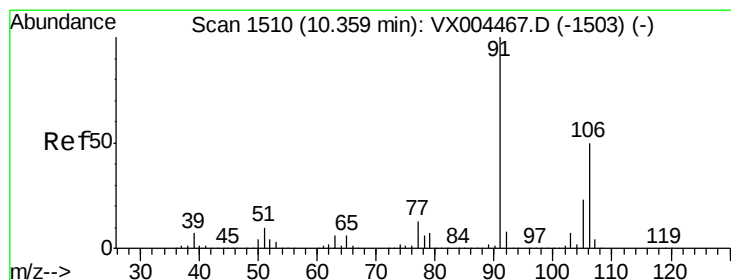
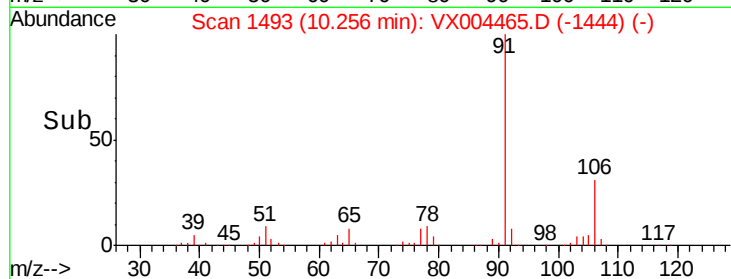
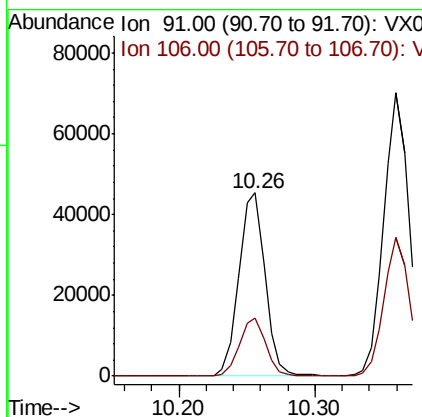
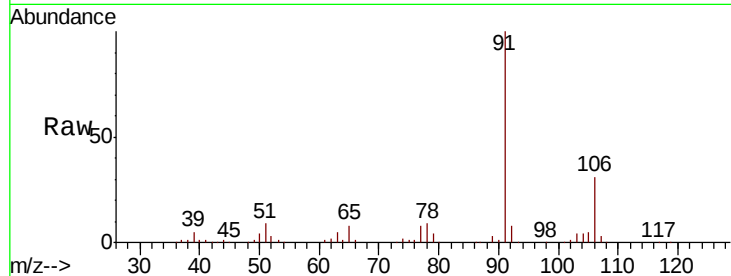
#67
Ethyl Benzene
Concen: 4.74 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion: 91 Resp: 60922
Ion Ratio Lower Upper
91 100
106 31.5 25.9 38.9

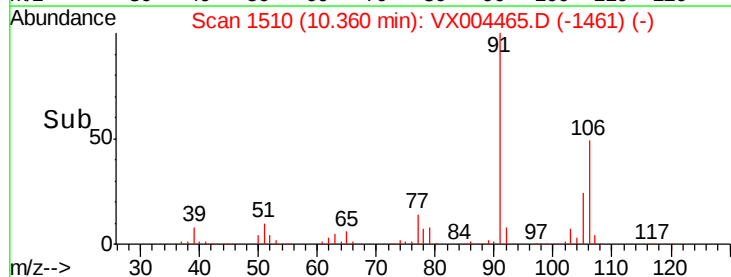
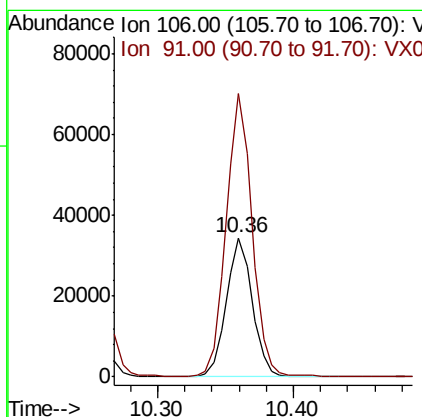
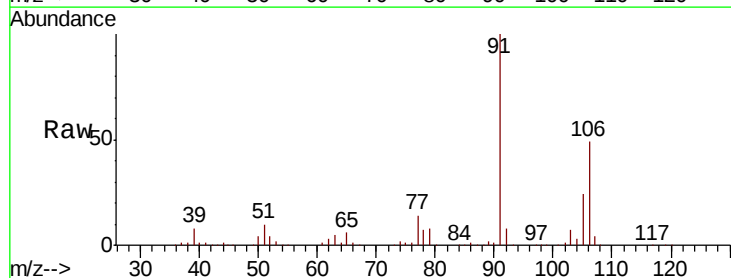
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9/12/2018 11:26:07 AM



#68
m/p-Xylenes
Concen: 9.26 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

Tgt Ion: 106 Resp: 45857
Ion Ratio Lower Upper
106 100
91 201.6 157.1 235.7





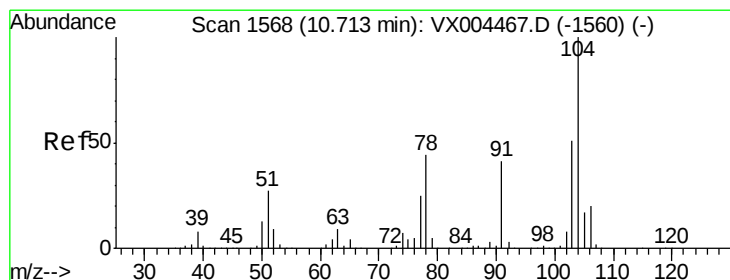
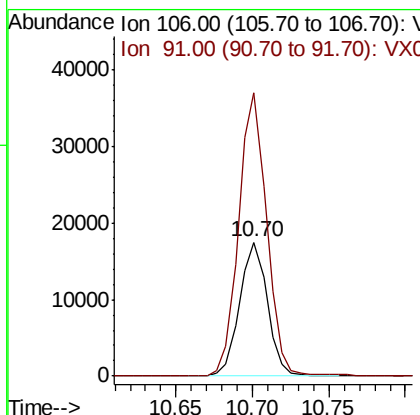
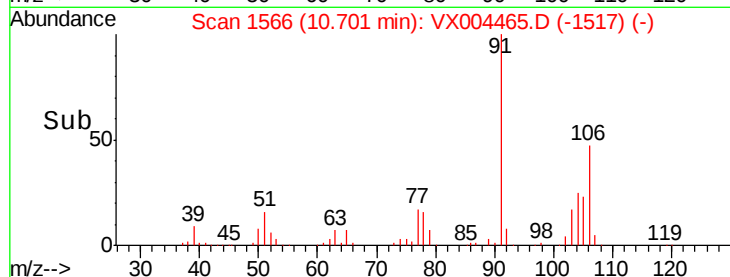
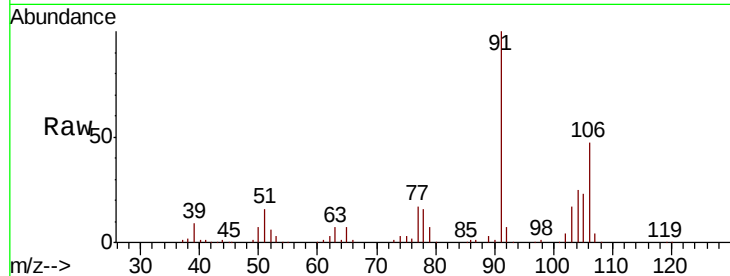
#69
o-Xylene
Concen: 4.63 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion:106 Resp: 22047
Ion Ratio Lower Upper
106 100
91 213.5 105.1 315.1

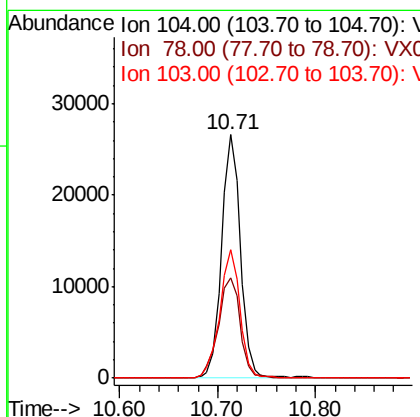
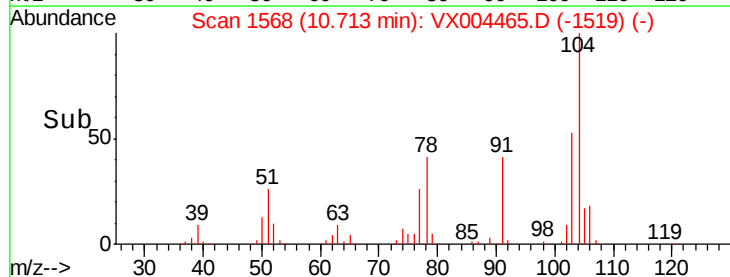
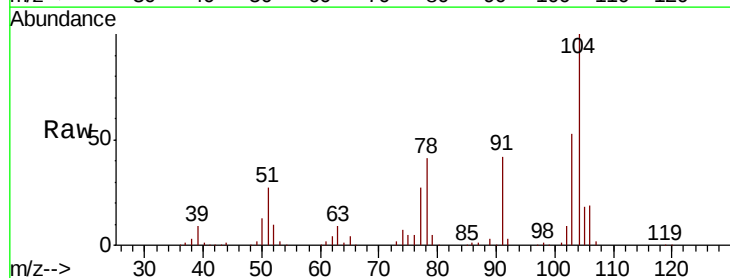
Manual Integrations
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#70
Styrene
Concen: 4.53 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

Tgt Ion:104 Resp: 35723
Ion Ratio Lower Upper
104 100
78 47.8 37.4 56.0
103 56.3 43.8 65.6





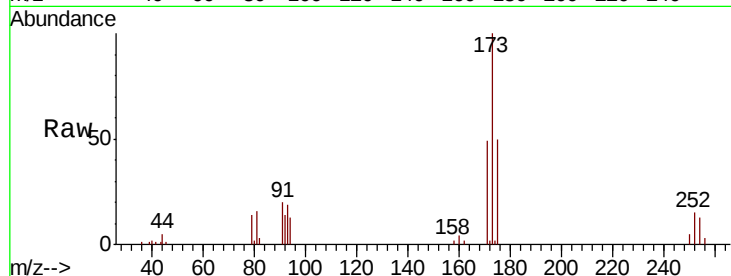
#71
Bromoform
Concen: 4.42 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.2	24.1	72.3
254	0.0	0.2	0.2

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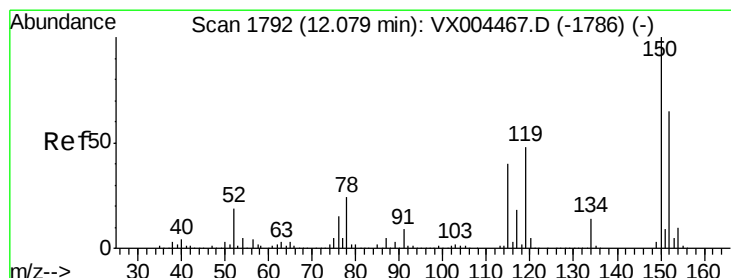
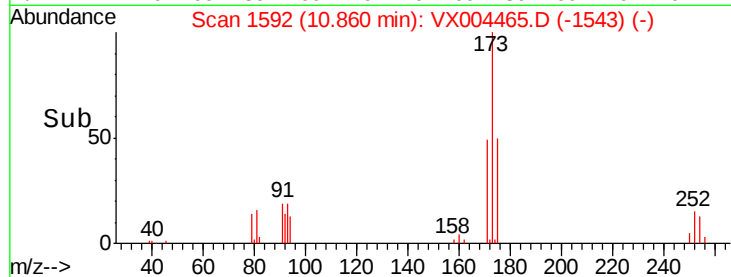
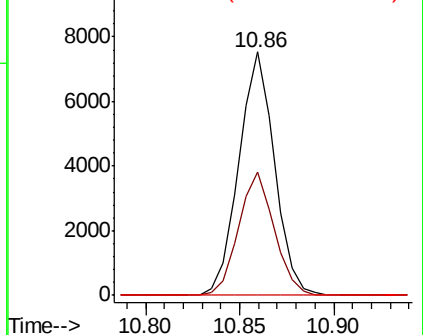


Abundance

Ion 172.70 (172.40 to 173.40): V

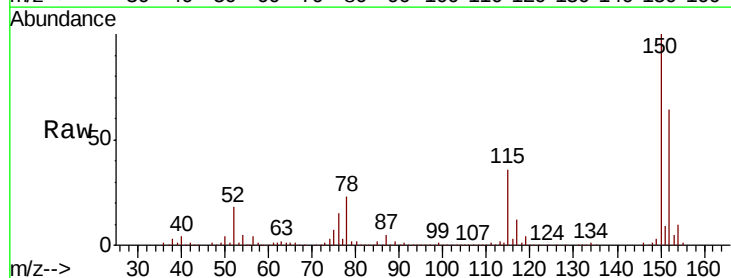
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.9	39.0	117.0
150	157.3	0.0	351.0

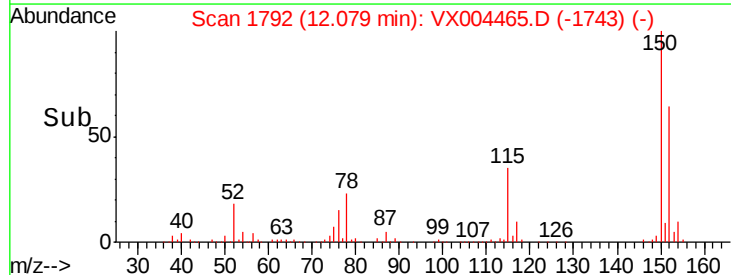
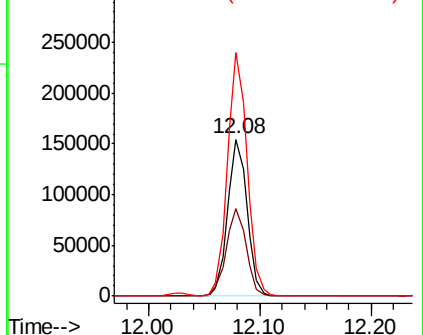


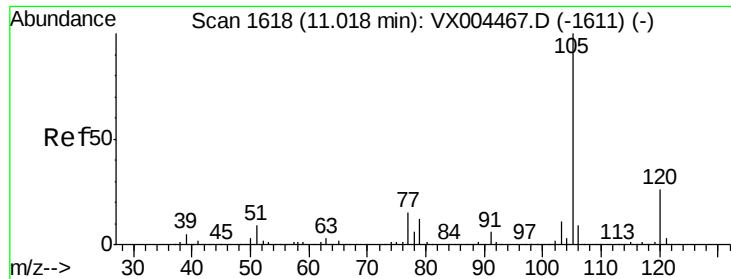
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





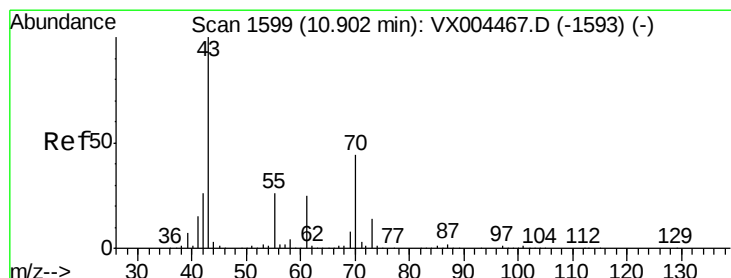
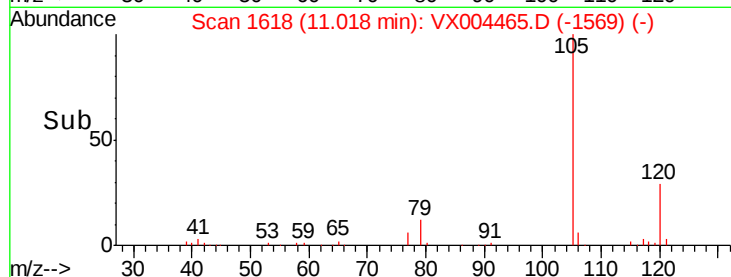
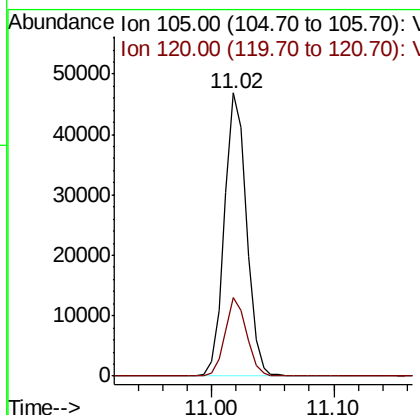
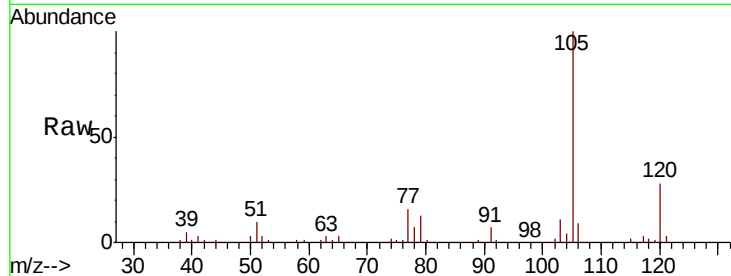
#73
Isopropylbenzene
Concen: 4.80 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 105 Resp: 58728
Ion Ratio Lower Upper
105 100
120 26.9 13.5 40.4

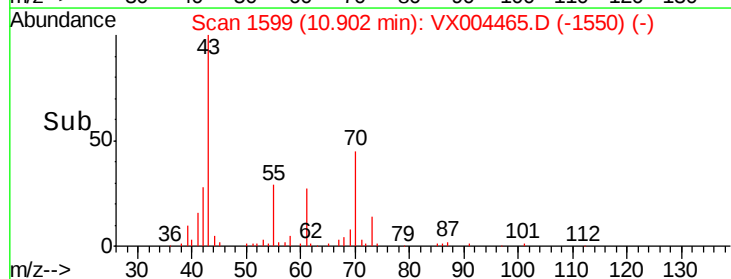
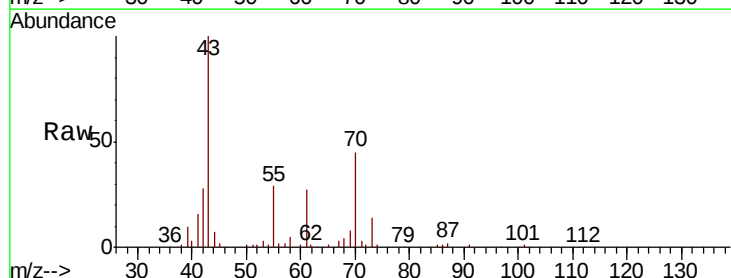
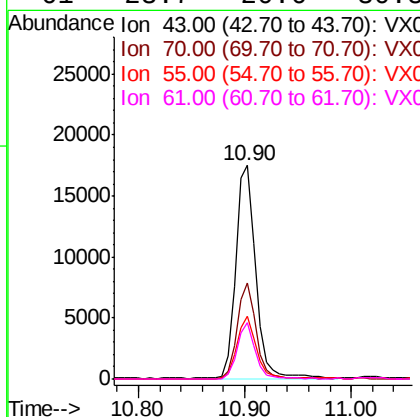
Manual Integrations
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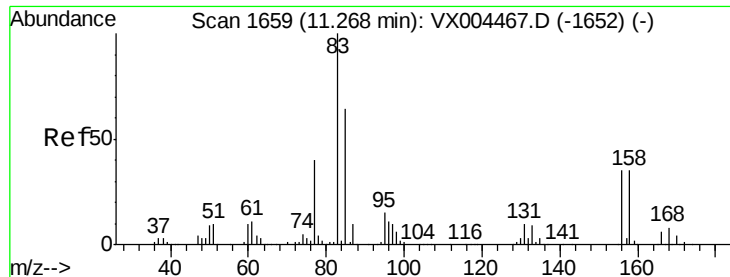
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9/12/2018 11:26:07 AM



#74
N-ethyl acetate
Concen: 4.54 ug/l
RT: 10.90 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

Tgt Ion: 43 Resp: 23405
Ion Ratio Lower Upper
43 100
70 42.2 37.4 56.0
55 27.9 21.8 32.8
61 23.7 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 4.97 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

Instrument :

MSVOA_X

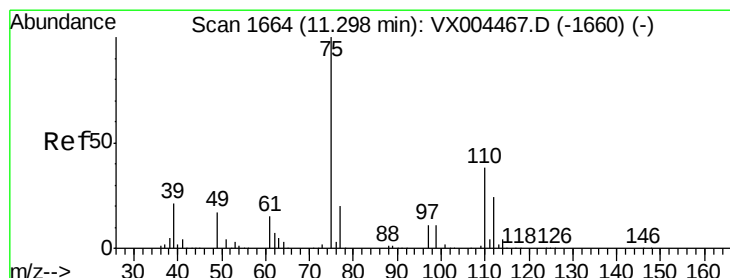
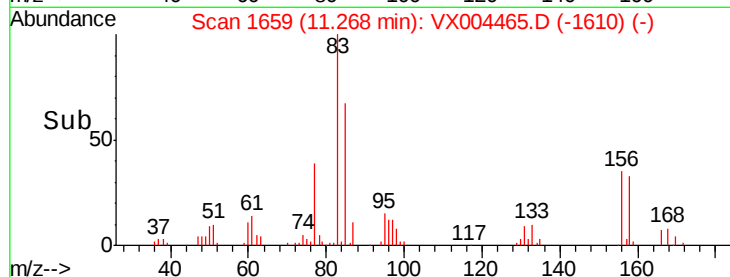
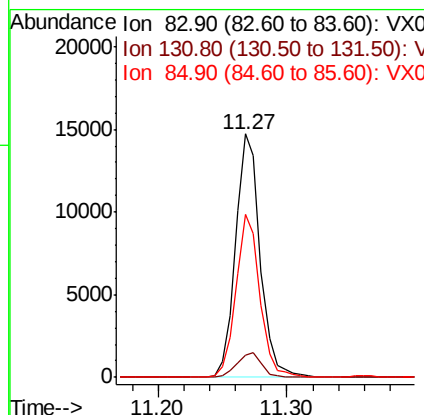
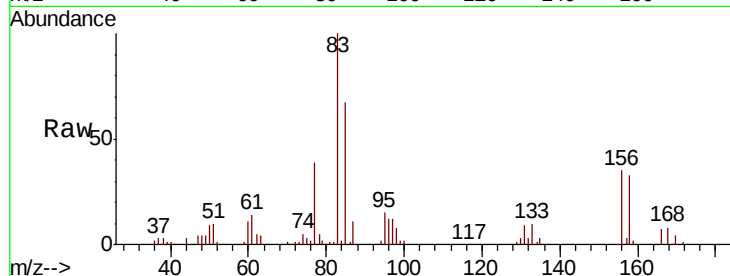
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	19636
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.2	15.6
85	65.0	32.3	96.8

Manual Integrations
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MMDadoda
9/12/2018 11:26:07 AM



#76

1,2,3-Trichloropropane

Concen: 5.25 ug/l m

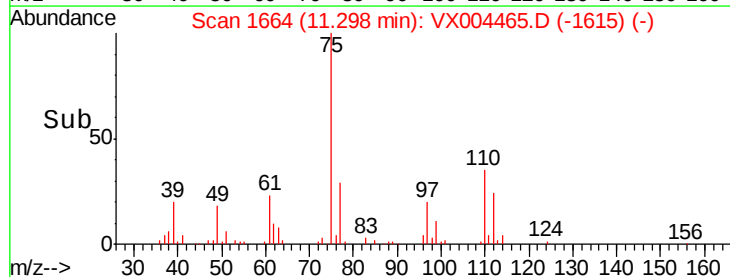
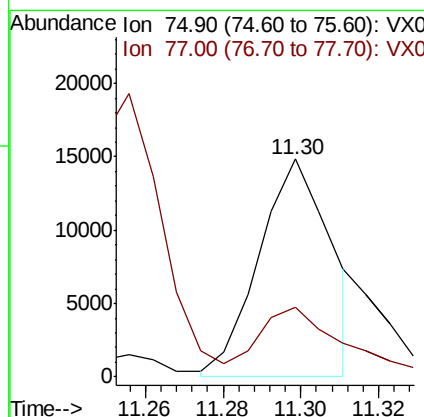
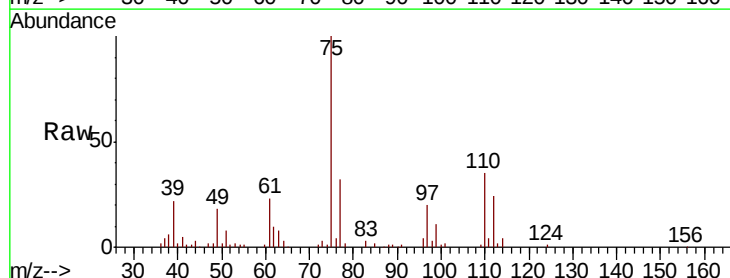
RT: 11.30 min Scan# 1664

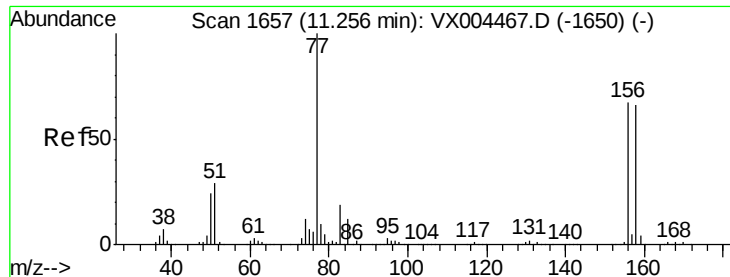
Delta R.T. 0.00 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

Tgt Ion:	75	Resp:	19085
Ion Ratio	Lower	Upper	
75	100		
77	38.4	20.2	60.6





#77

Bromobenzene

Concen: 4.97 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 16805

Ion Ratio Lower Upper

156 100

77 149.5 71.5 214.3

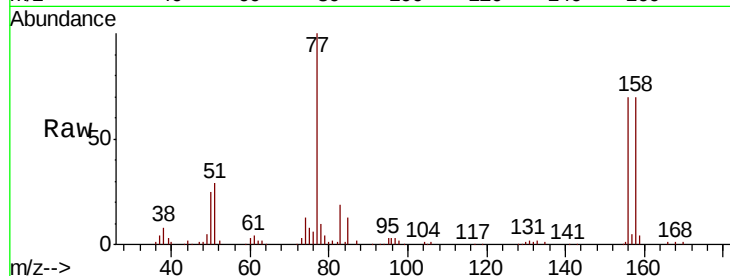
158 97.4 48.9 146.8

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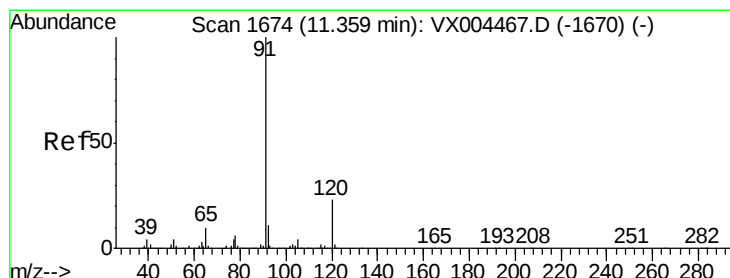
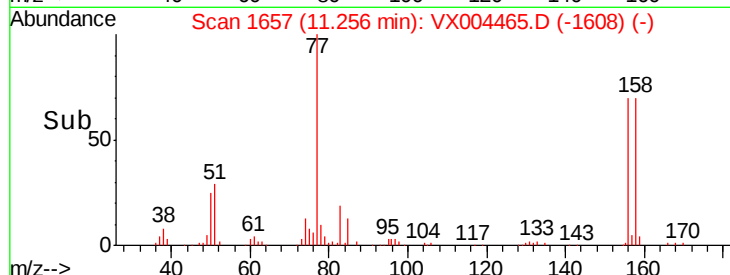
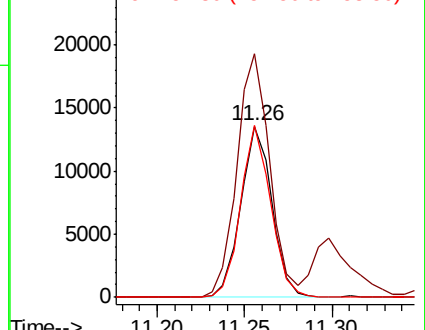


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.75 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004465.D

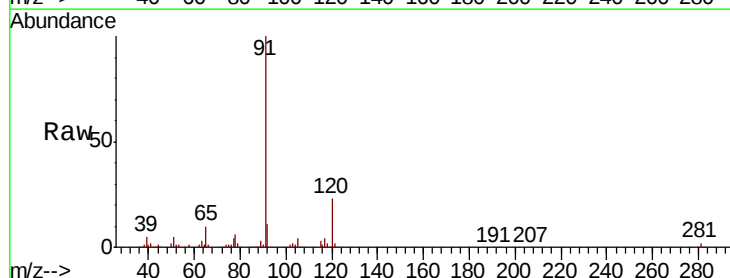
Acq: 11 Sep 2018 13:00

Tgt Ion: 91 Resp: 66853

Ion Ratio Lower Upper

91 100

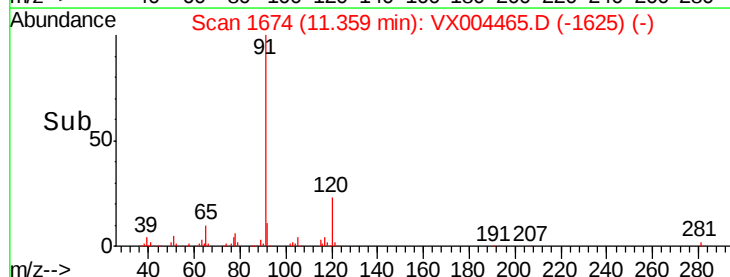
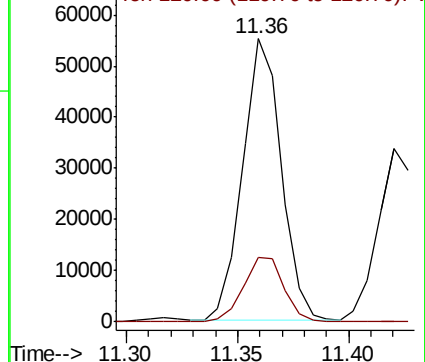
120 24.0 11.9 35.9

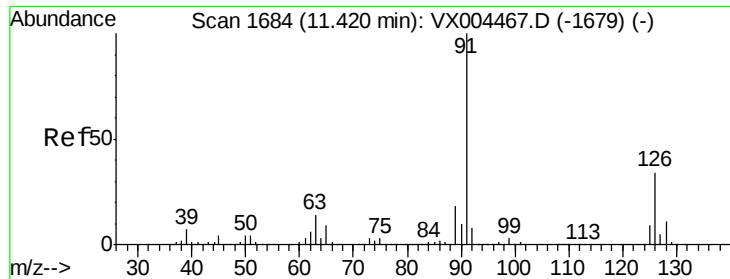


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.92 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 42028

Ion Ratio Lower Upper

91 100

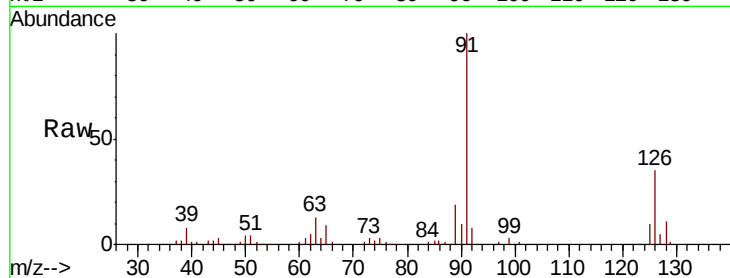
126 35.2 17.9 53.7

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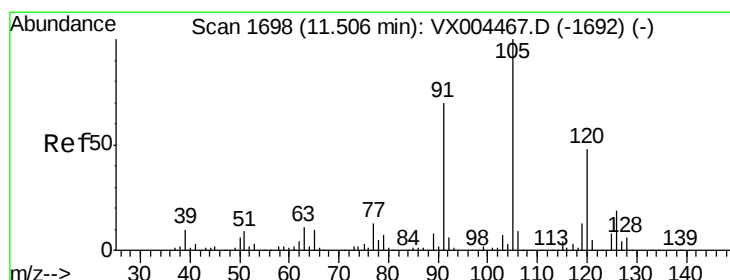
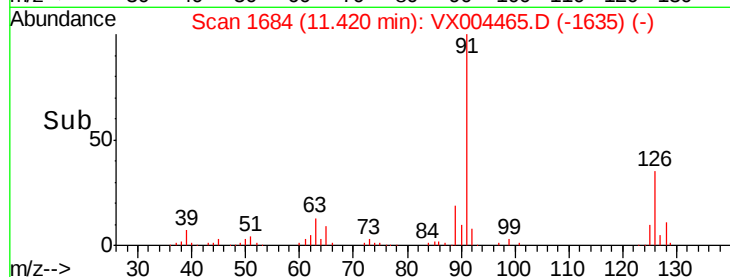
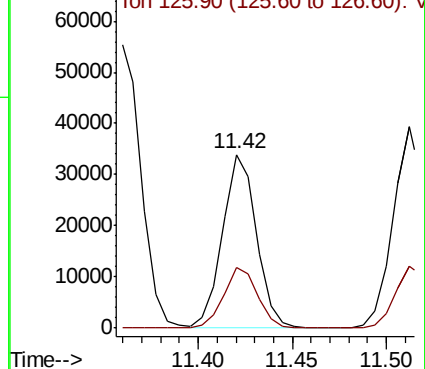
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Abundance Ion 91.00 (90.70 to 91.70): VX004467.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 4.77 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX004465.D

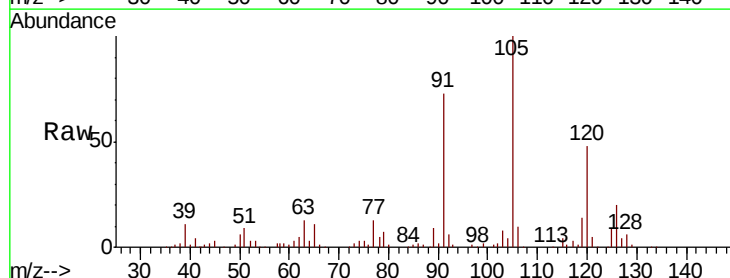
Acq: 11 Sep 2018 13:00

Tgt Ion: 105 Resp: 49069

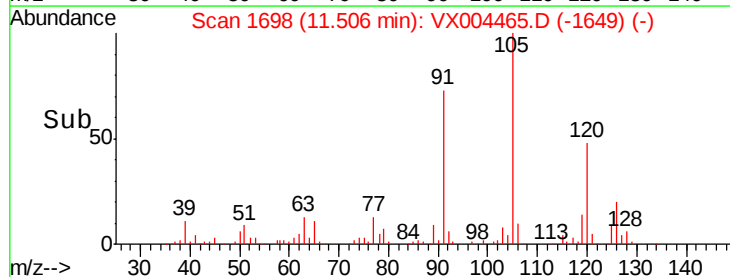
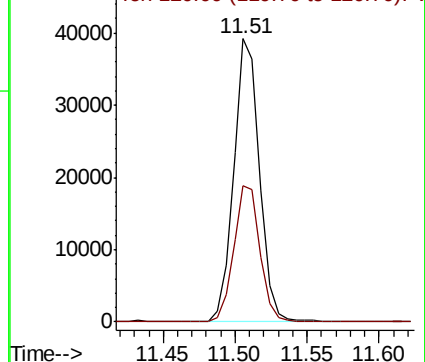
Ion Ratio Lower Upper

105 100

120 49.0 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VX004467.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 4.03 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 4726

Ion Ratio Lower Upper

75 100

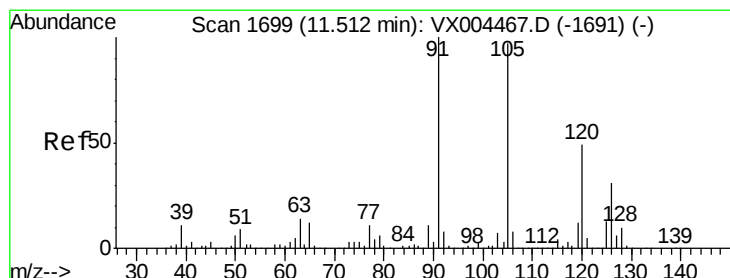
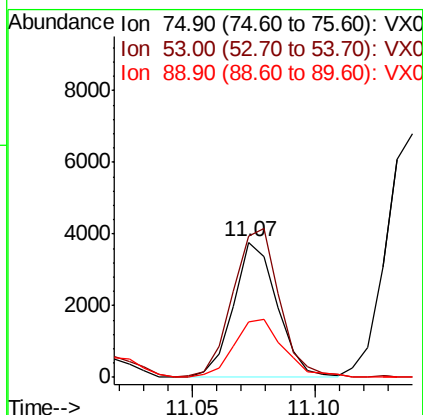
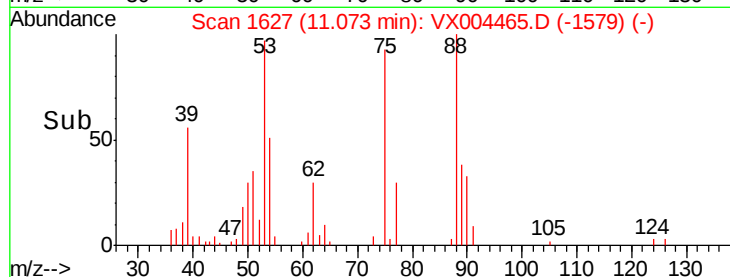
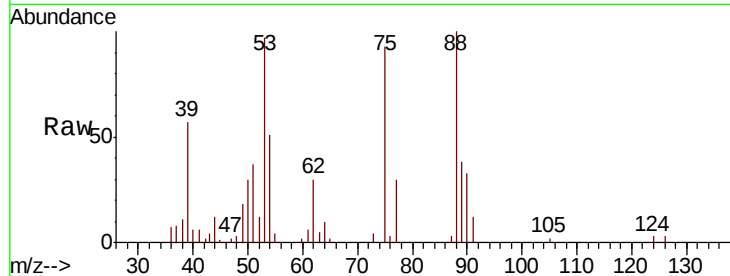
53 116.9 80.1 120.1

89 48.7 37.2 55.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 4.89 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX004465.D

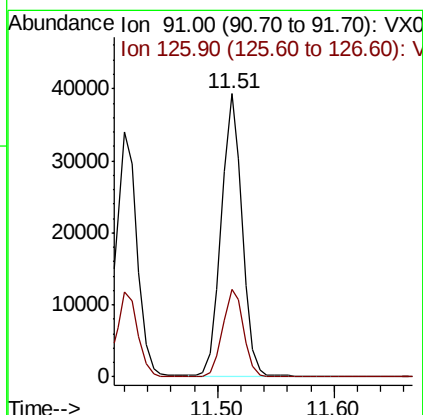
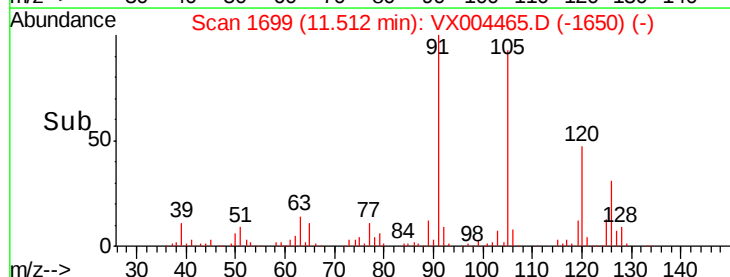
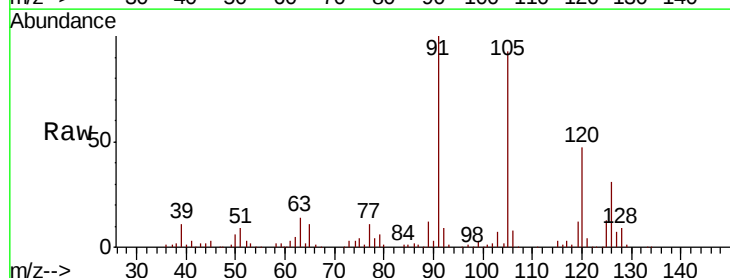
Acq: 11 Sep 2018 13:00

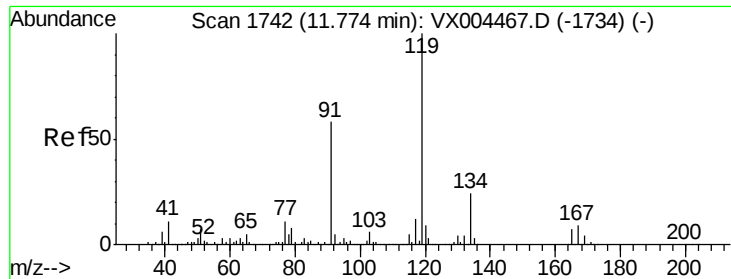
Tgt Ion: 91 Resp: 48774

Ion Ratio Lower Upper

91 100

126 31.0 15.5 46.5





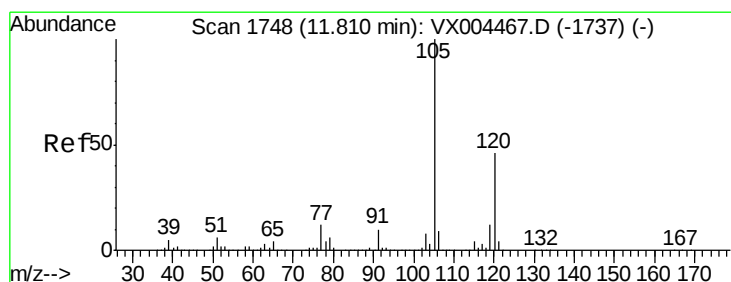
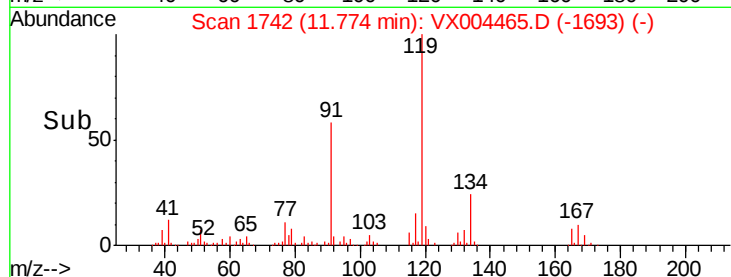
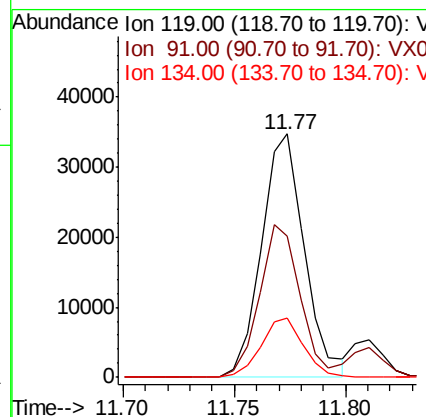
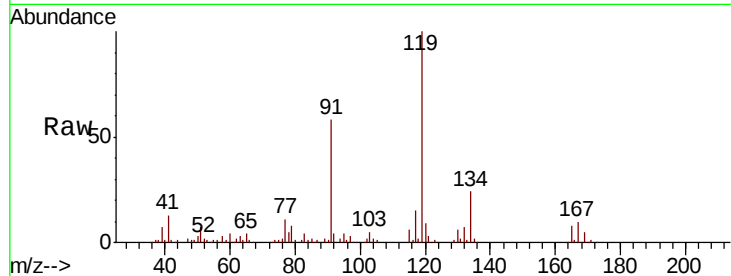
#83
tert-Butylbenzene
Concen: 4.75 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
119	100	46551		
91	59.2		27.0	81.0
134	24.4		11.7	35.1

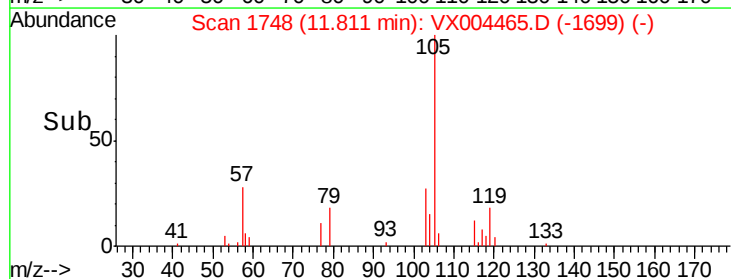
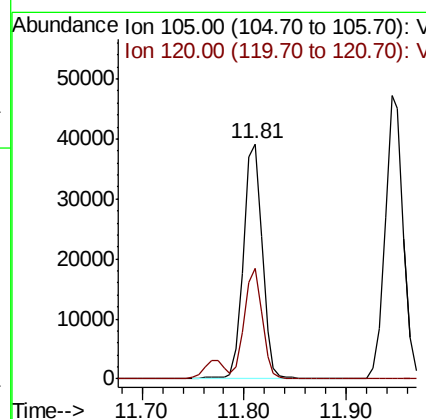
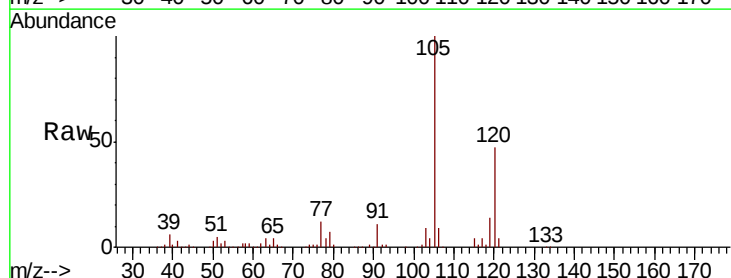
Manual Integrations
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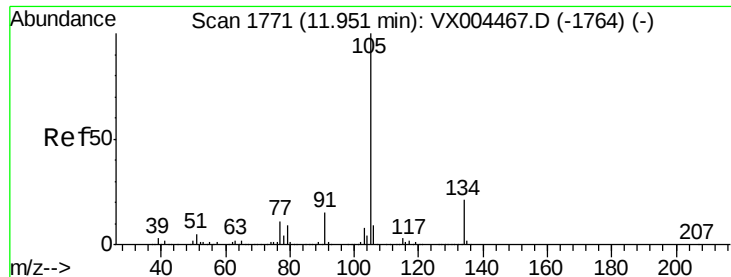
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#84
1,2,4-Trimethylbenzene
Concen: 4.73 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	49694		
120	44.7		23.2	69.6





#85

sec-Butylbenzene

Concen: 4.76 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion:105 Resp: 59489

Ion Ratio Lower Upper

105 100

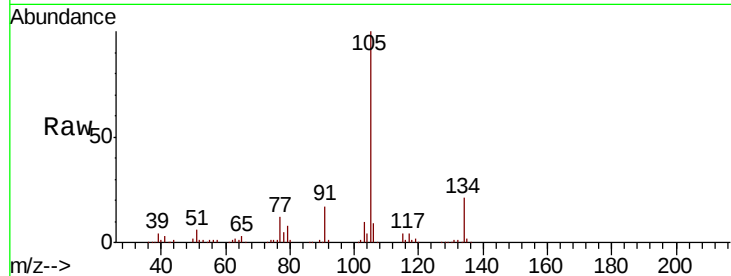
134 20.6 10.5 31.5

Manual Integrations

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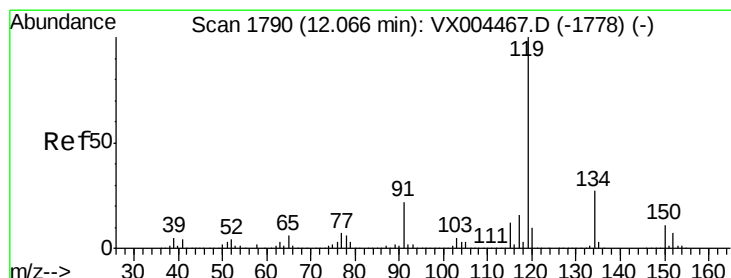
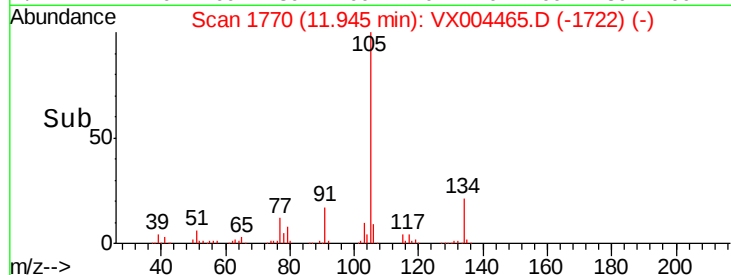
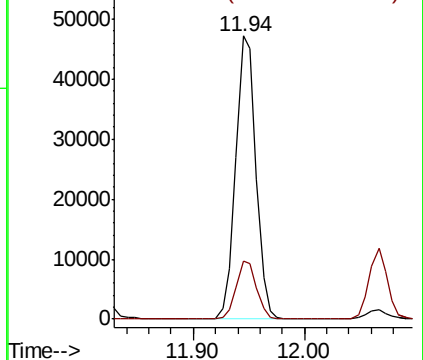
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.64 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

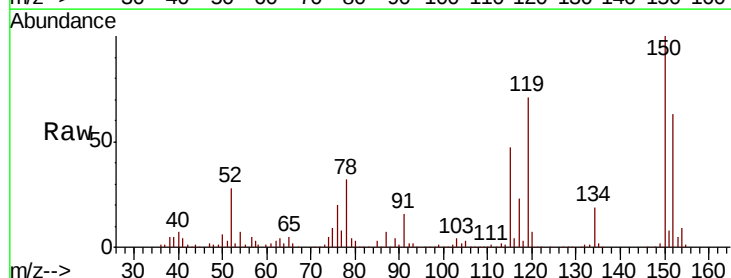
Tgt Ion:119 Resp: 51198

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.2

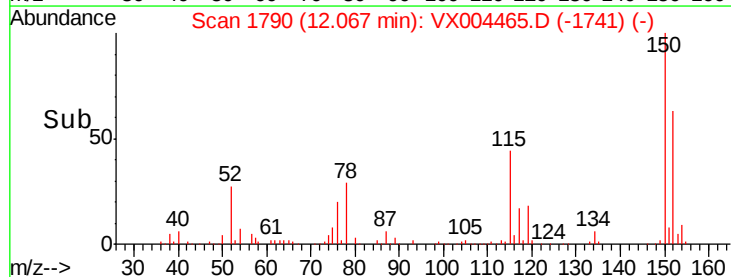
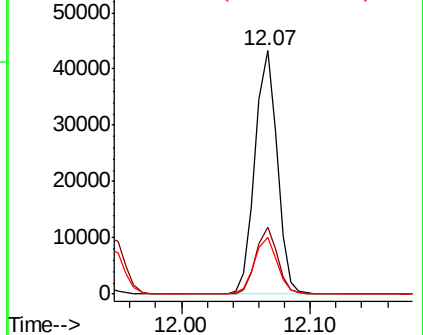
91 24.5 10.9 32.7

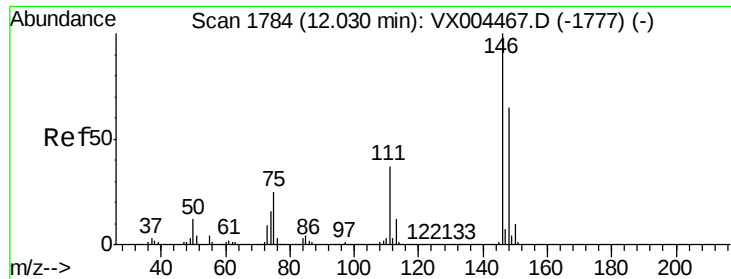


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





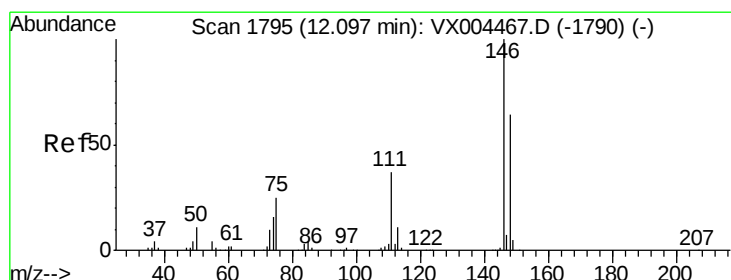
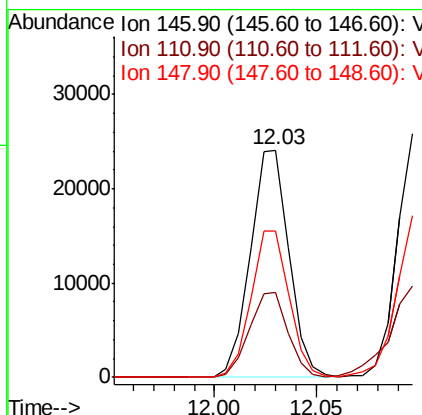
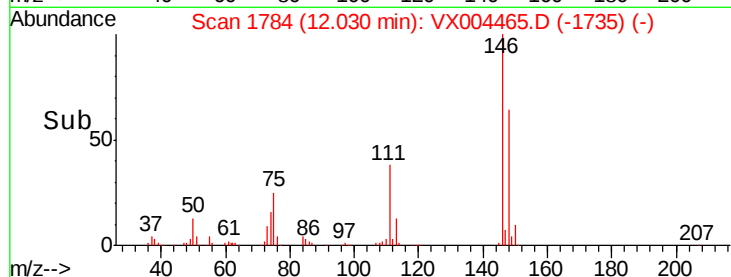
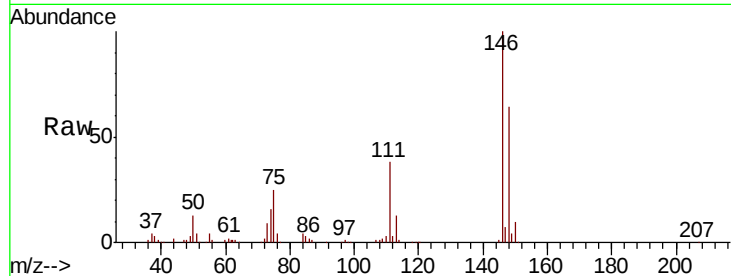
#87
 1,3-Dichlorobenzene
 Concen: 5.05 ug/l
 RT: 12.03 min Scan# 1784
 Delta R.T. 0.00 min
 Lab File: VX004465.D
 Acq: 11 Sep 2018 13:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.7	56.1
148	63.6	32.1	96.5

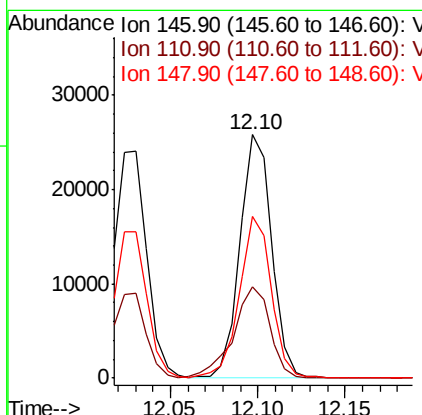
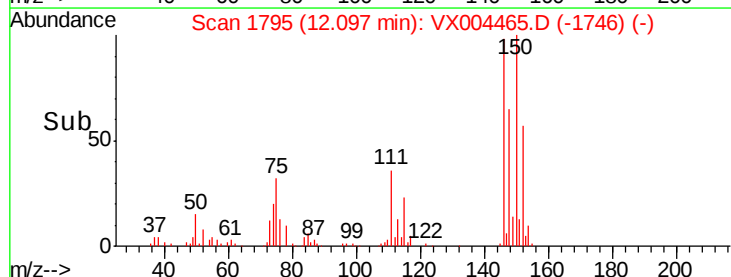
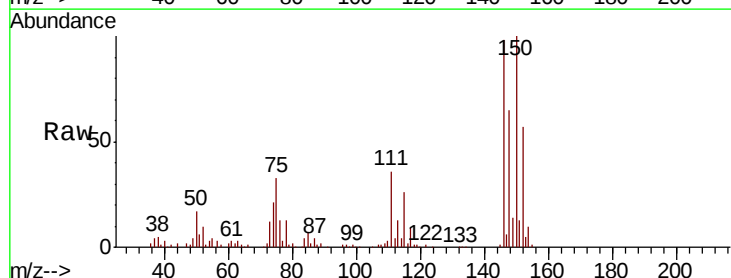
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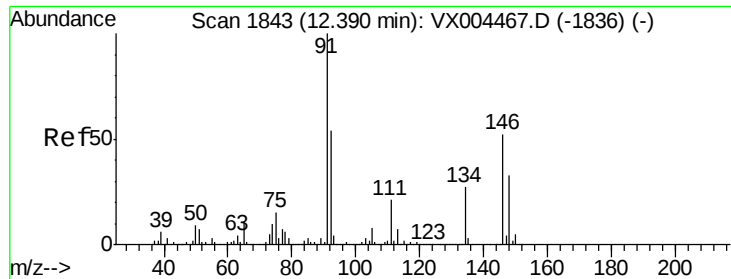
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#88
 1,4-Dichlorobenzene
 Concen: 4.99 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX004465.D
 Acq: 11 Sep 2018 13:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.7	18.1	54.1
148	66.7	32.0	96.0





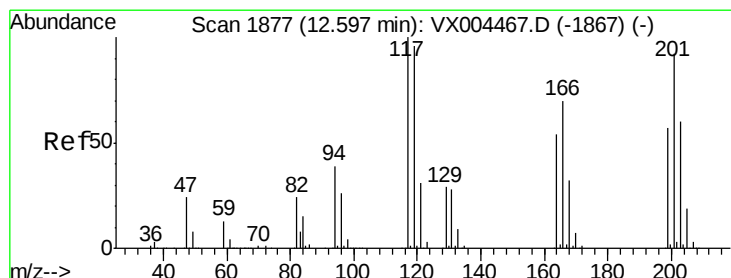
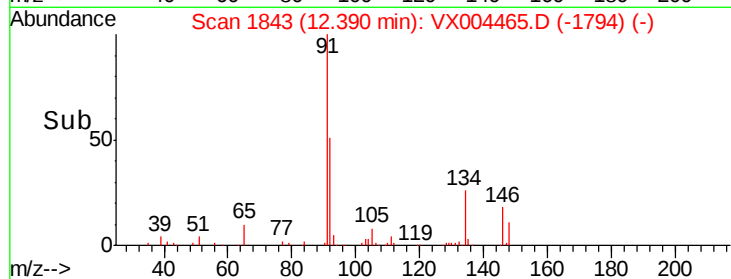
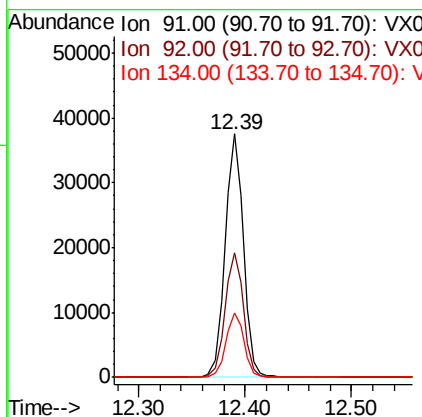
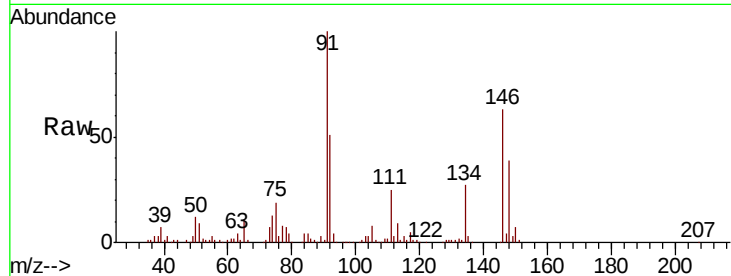
#89
n-Butylbenzene
Concen: 4.51 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.9	27.3	81.9
134	26.2	13.6	40.7

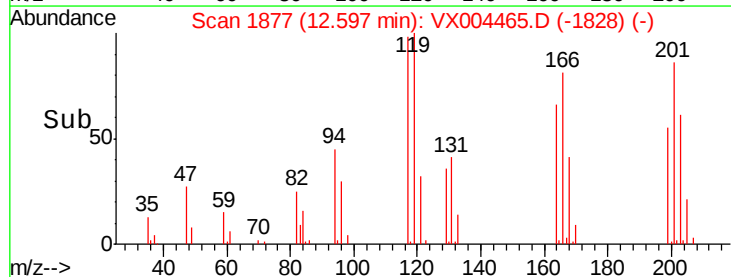
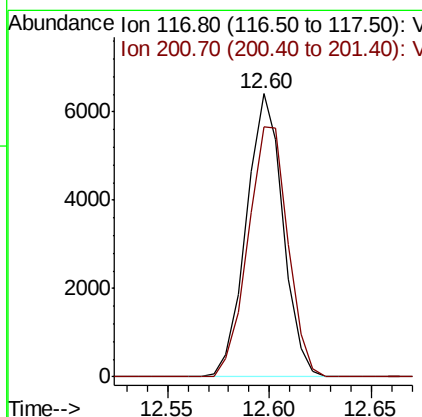
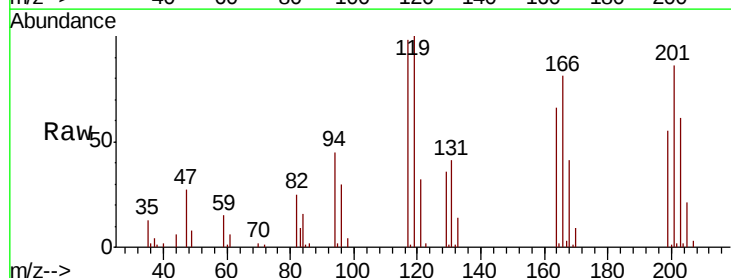
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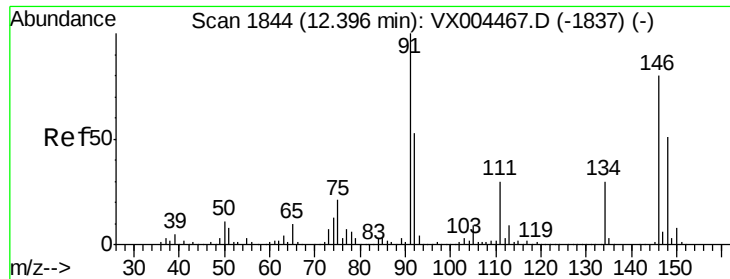
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#90
Hexachloroethane
Concen: 4.54 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.2	46.9	140.6





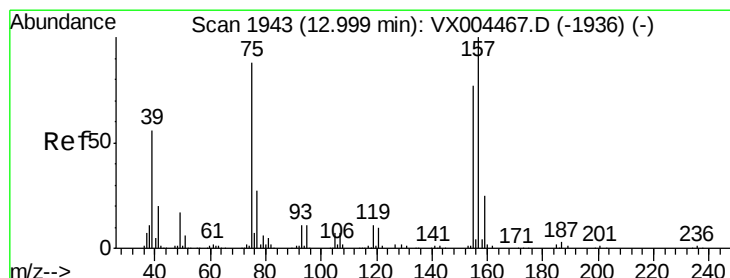
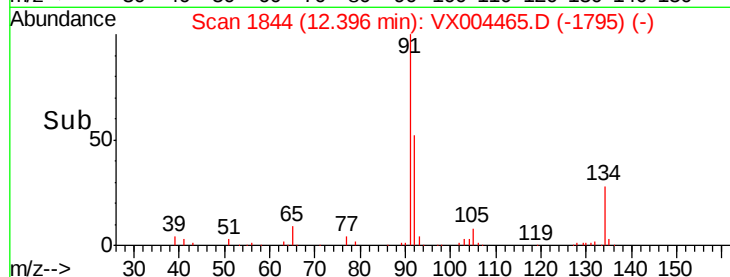
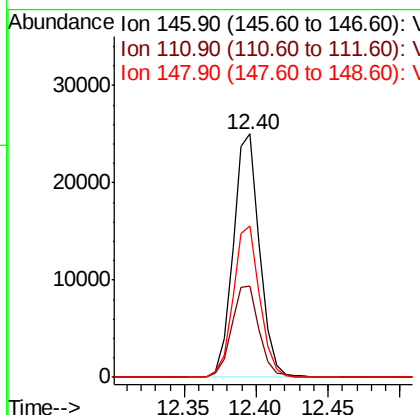
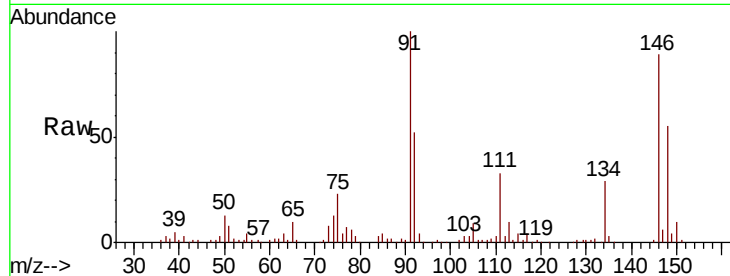
#91
 1,2-Dichlorobenzene
 Concen: 5.01 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. 0.00 min
 Lab File: VX004465.D
 Acq: 11 Sep 2018 13:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.4	58.1
148	62.4	32.8	98.3

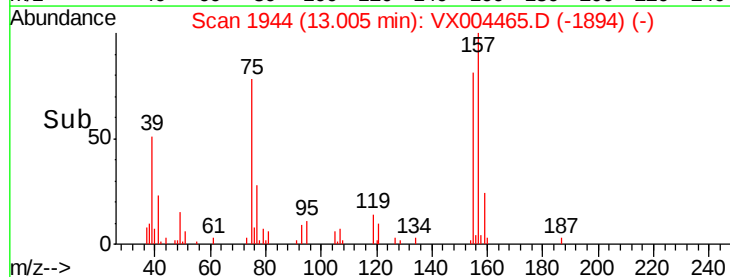
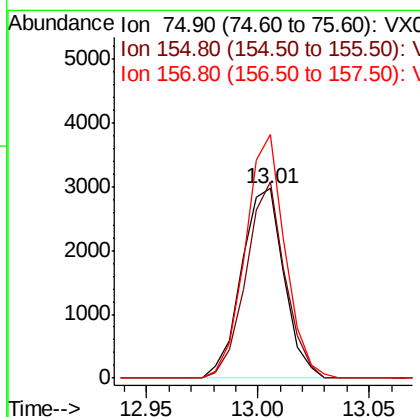
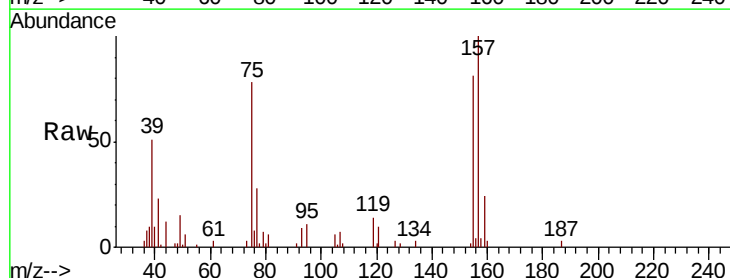
Manual Integrations
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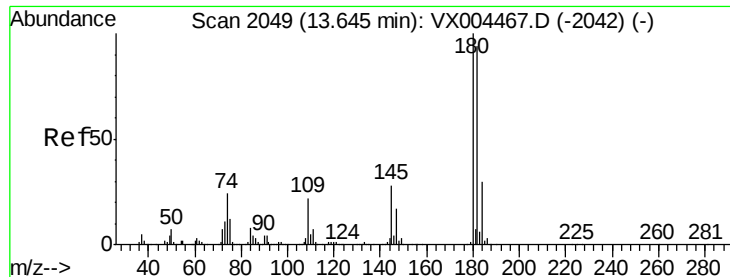
MMDadoda
 9/12/2018 11:26:07 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.69 ug/l
 RT: 13.01 min Scan# 1944
 Delta R.T. 0.01 min
 Lab File: VX004465.D
 Acq: 11 Sep 2018 13:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.7	48.0	144.2
157	120.3	61.4	184.1





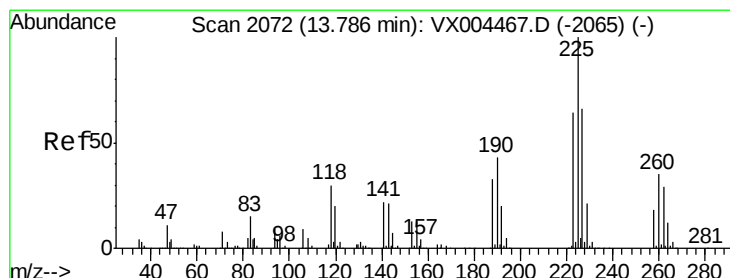
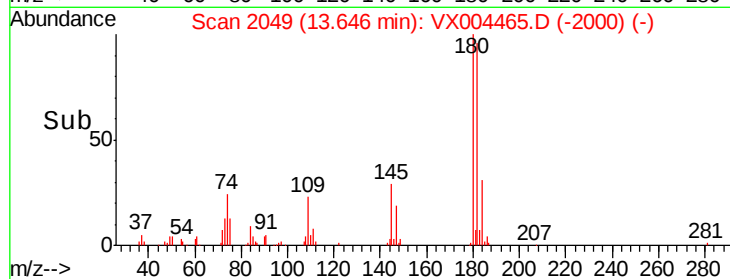
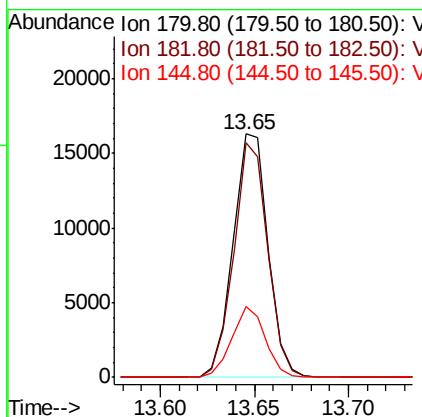
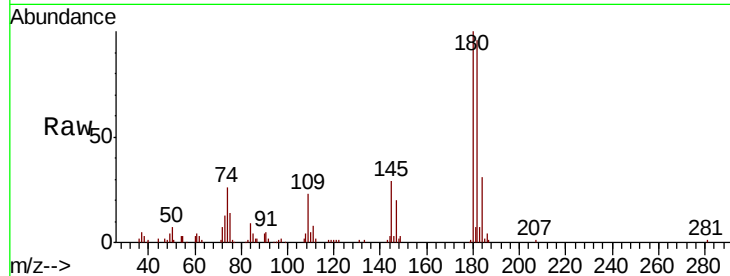
#93
 1,2,4-Trichlorobenzene
 Concen: 4.62 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX004465.D
 Acq: 11 Sep 2018 13:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	20899		
182	93.5		48.4	145.0
145	27.9		14.3	42.9

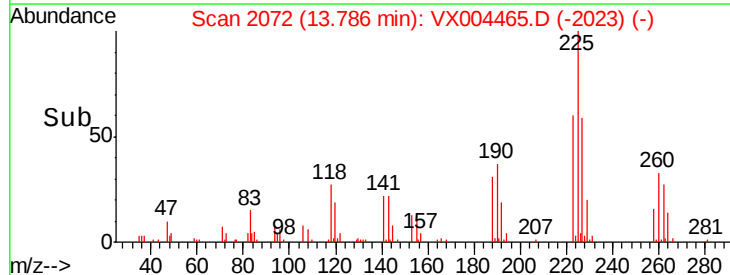
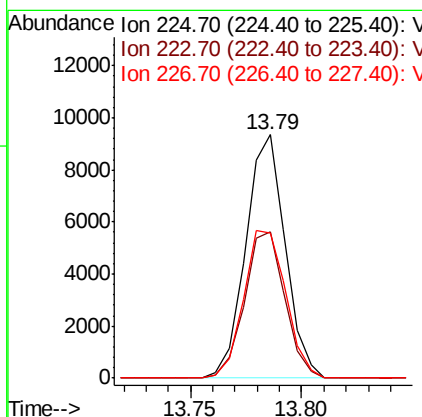
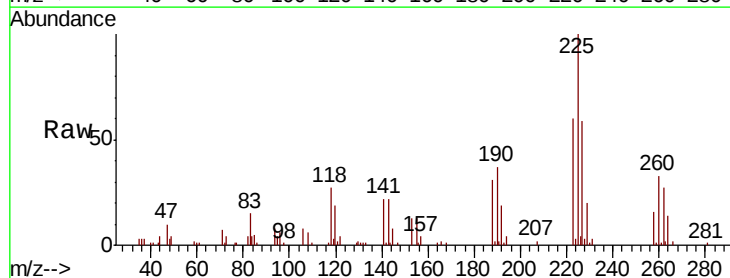
Manual Integrations
 APPROVED

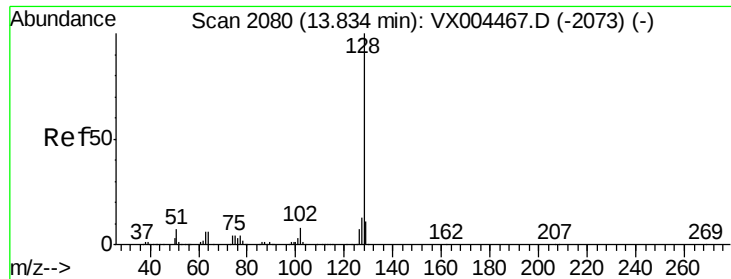
MMDadoda
 9/12/2018 11:26:07 AM



#94
 Hexachlorobutadiene
 Concen: 4.88 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX004465.D
 Acq: 11 Sep 2018 13:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	11527		
223	61.3		30.1	90.5
227	64.6		30.8	92.4





#95

Naphthalene

Concen: 4.22 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

Instrument :

MSVOA_X

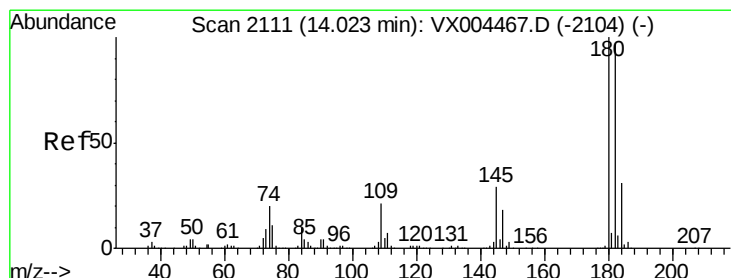
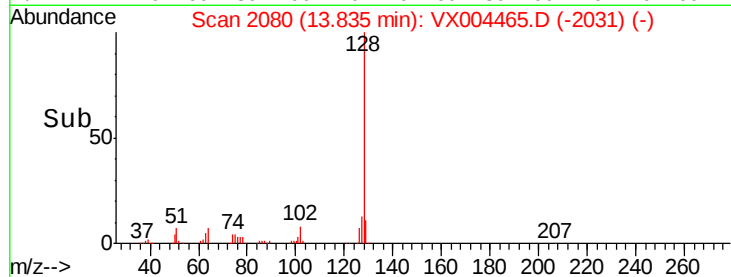
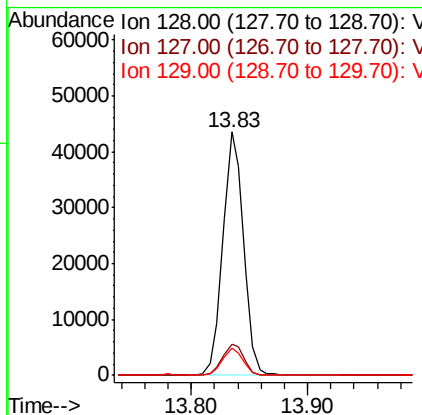
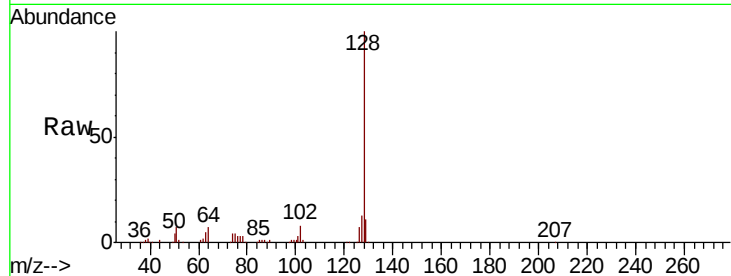
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	53505
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	11.1	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/12/2018 11:26:07 AM



#96

1,2,3-Trichlorobenzene

Concen: 4.63 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

Tgt Ion:	180	Resp:	21506
Ion	Ratio	Lower	Upper
180	100		
182	96.9	48.5	145.6
145	30.5	14.9	44.9

